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546

<210> 10908
 <211> 335
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220127b04a1

 <400> 10908

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 gttttttcgg ggaaattgat ttcaccgtaa taggagccaa gaaaaacaaa acagaaaaat 180
 tccgaaccgg agaactcttt tacctgctac aaatgcattt ctctctcttt tctcacactt 240
 tttctctgct aaactcgcaa acacgaacac tgtttctctc tctctgaaga gaagnaatga 300
 agcttcatct tcagatctcg agctgaatca ccgat 335

<210> 10909
 <211> 558
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220127b04d1

 <400> 10909

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 aactttgttc cttcaccttg taattctaca tctcccaata aatttattag agatatttac 180
 gtatctactc cataaacttc gaacctctgg gaaaccaatt tcaagccatg gctttgcagg 240
 gccactgaaa tgaataacag ctgcagcttc taatttctct ttgctaattt ctgctgattg 300
 atggcgataa cctaaatcag tcacaagcat tgatgaactt ataggatgca cttgaccctc 360
 aaatgtcatc aaggcaggtg gaagcactcc tggattccac attgtcatcc cggacttgag 420
 gttaagtttc aaccattgat ggtaggtctc cgtaatgttt gttctcctcc aaagttcaag 480
 atcaataata ttcatgccat agagccatgc acactgatca ccgtcaaagt ttgatgcaac 540

aagagatgtg aaaagttc

558

<210> 10910
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220127b05a1

<400> 10910

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ctccttgcaa atatgggggc aatctgtata tggcactgtt tggacttggt cagattagaa 120
tgtcattcat accggatctc cataacatgg catgggtttc agttgttgcc gcacttatgt 180
cctttacata ctcatcatt ggactaggac ttggcatagc aacagtcata aaaaatggaa 240
gaattatggg gagcttgaca ggaataccaa ctgataaaat tgctgacaaa tttaggntgg 300
tcttccaagc actaggagac attgcctttg cctatccata ctccattctc cttcttgaga 360
tccaggacac tctagagnct cctccaccag aaaatcaaac aatgaaa 407

<210> 10911
<211> 533
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127b05d1

<400> 10911

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ctgaaatccc ccacaattgc ttgtactcta tcttactctc aataaacta gcattcagct 120
ttaaactttt ttatatgaaa cattatataa ccatcaatct acaaactcaa atagagtaag 180
cattactaag gggagtggca taaacaacct ttcaggcttt cagctatttt aatttggcac 240
ttactattcc ttcaagtgc ccaaccaagc ccattacagt gaccagaaag caagcaaagc 300
tgaatgttct aagaacaatc catttgctac tccaagctgc aattttctgc tgtacaaagt 360
acatctctac tgggaaatat atagccaatg gccagaagtt tatggctcct aacactccta 420
agatttggtt gaagtaaggg aaaaagattg caagaccaat gggtgagatc acataggttg 480
ttcaaagcag aacctgaaaa gatttagctg aaaaccagga agcaaggaag ttt 533

<210> 10912
 <211> 334
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127b06a1

<400> 10912

agataaactt aagaattcaa ttattagaaa ttgaataagt aaacaattta attggattgg 60
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 cgatcaactt gctttggat cgaacatttc tttttgattt caaaaatttt ccggaaaaaa 180
 tttgaatcta tttttatatg cgaatcaatc ctactacttc tggtcctgag gtttctgcgc 240
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 ttcccccatg taagatgcct aatatttaca acgc 334

<210> 10913
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127b06d1

<400> 10913

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 aaggaaaacc aaaagggggg cccaaaaaat ggaagaaaaa caaatggggg ggcccaaacg 120
 gggggccaaa ccgggggaaa aaagaaaagg gcccaaaagg gggggcctgg gccccccccc 180
 caaaaaaaaa aagccttggg taaaaaaaaa aggggggggg cttttggggg aaaaaaggaa 240
 aaaccctttt cgggggaatt aaaaaaacg ggggcccaaa aaggggtgat cgaaaaaaaa 300
 ccccccaaaa aagaccagga aaacaagggg gcttaaaaaa aaaaattctt aaaaaaccct 360
 ataataccgg ggggggaaaa agggccaaga atgggaaaaa ccccaaaagg ccccctaaaa 420
 gagaaaaaaaa gaaattcctt ttttggaac ccaaaaaaaaa tggggggggg g 471

<210> 10914
 <211> 304
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127b07a1

<400> 10914

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gatggggagg tagtccttag aaaggggatg ggccttgcac ttagagatac tgctaattgct    180
agagatcgaa atgggtcaagt gtgcagccgc attacttgca gcagctgatt caatactcct    240
aaaggcactc aaataggttc ttgagaaaaa ggtaaattct tgaaaccttc aatccaatct    300
tctt                                     304

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<210> 10915

<211> 554

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127b07d1

<400> 10915

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aatattggct atgtacaaat gaccaataaa aataagttag gagcaactgt attttgtaca    120
aaagtgatga agaaaaaaat gaacagcaag aggggtacaa agaaatcagt ctccctcgtc    180
tggcctaaca ttgcaattga tgggatcatt aggatggatga tgaatttgac tgtgccactg    240
atgcttttga aatagggcac cagttcttta gctgtagcca ctgctgtatg caagccacat    300
gatacatgtg ctgcatttgc aaactcccca cttcttctgc agccacatat tcctcctggc    360
aaatgctgca ttttgtatca tccttaggtt cattgcaact ctcagcttca ttgtcagagg    420
gtgaggactg gtagacactt ttctttaagc attctgaaag tgttttctct gtttagagctg    480
tgctcacagt acccatcctc tttttcaaag ccagcaattg ctcatatgac atgttatcaa    540
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<210> 10916

<211> 185

<212> DNA

<213> Glycine max

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<400> 10916

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gtcaagaccc tcaccggaaa gaccatcacc cttgagagag gaaagctcta gacaccatcg 120
acaacgtcaa ggccaagatc caggacaagg aaggaattcc cccggatcag caacgtctca 180
tcttc 185

<210> 10917

<211> 517

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127b08d1

<400> 10917

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aacccccac gaagacgcaa caccaagtgc agagttgact ctttctggat gttgtagtca 180
gcgaggggtcc ttccatcctc tagctgtttg ccagcaaaaa taaccctctg ctggtccggt 240
gggattcctt ccttgctctg gatcttcgcc ttcacattgt caatggtgtc ggagctctcc 300
acctcgaggg taatagtctt acccgtaagg gtcttgacga aaatttgtat accaccacga 360
agacgcaaca ccaagtggag agttgactcc ttctggatgt ttagtcagc aagggtacgt 420
ccgtccttga gctgcttgcc gagaaaaatc agcctctgtt ggtctggggg gataccctcc 480
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<210> 10918

<211> 372

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127b09a1

<400> 10918

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tcatgaccat gaaagactcc atagttctat attcagcttt gggaagagga caccttggtt 120
caaaggagga actaggtaaa ctcatataa gccaccaccc ttcactttcc atcaccattc 180

ttttcctaac cccaccccc aaccatgaca cccccacctc cccaccgcc ttcacctgcg 240
 acgccaccgc caaatacatc gccgcgctca ccggtccac cccctccatc acctccacc 300
 gcatccccca gatctccgtc cccaccgttc tcccttccat ggccctcacc ttcgagctct 360
 gccgcgccac cg 372

<210> 10919
 <211> 494
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220127b09d1
 <400> 10919

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 actagtgtc cctccatagt tccactaact tattcaaagc catgattgaa gatccacctt 120
 tcgccattgc ttccgtggca ctgattttca ttttaaaaat cctctgtcta atctccttcc 180
 ctttgtccga gtccatgagt tccatcactc ggtcccccaa ctcggtggaa ctcactaacc 240
 cgtctttgtt ctgcttcacc gccaaaccca ccttcatttc ctccaccaag atcaccttat 300
 tcagcttctg ctctgcgtag agaggccacg ccaccattgg cacaccttca cacaccgnt 360
 tcaacaccga gttccaccgc cagtgagtca cgaaccacc caccgagtca tgactcagta 420
 tcgccgcctg tggggcccag tccctcacca ctaaccctt ntcctttgtc ctctccaaaa 480
 acccctttgg caac 494

<210> 10920
 <211> 122
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220127b10a1
 <400> 10920

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 tttcggtttc cgatctaata tcgatgcgat tcgccattag ccggataata gagtccctcg 120
 gc 122

<210> 10921
<211> 495
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127b10d1

<400> 10921

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cagtcacctg ttatttttcta caaatggcag gtttttctgc attgcttcat aattagaact 120
gcattttttg ctgacaggat cttcgtcttt gtcattctatg ttttgcttgt tattattggc 180
gttggtccatt tgctgattct tattcttcaa agcatgagga ggtgaaaagc tttgaggcaa 240
cacctctctg gagaatagag cctgaaaggc cagactcccc tcttcagaga cttttttcca 300
agaatcagta agattgctaa cacttctacg acgattacta aagtgaatgg ctaattgggt 360
agcatcaggg gggtcaggct cttccttccc tttgtcatcc ttctatagt ccatagtttt 420
cacatcggtg ctgaggccg ggtgggaacc acatgaggaa ccgtcaaccg ggtttttgtc 480
ctttgttttg ctgga 495

<210> 10922
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127b11a1

<400> 10922

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ccctcggttg atagcagacg gcaacgagct tctcaagttc cactgcacct cttcaattg 120
ctccctgggc ctaaacggtt cctccaactt gagcaactcg ataccacagt gtaacgtgtg 180
cagcataatc aagcacgggt tcaaggtcac cggatgagcc ggtatcttga c 231

<210> 10923
<211> 536
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220127b11d1

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<212>	DNA
<213>	Glycine max

<400> 10924

<210>	10925
<211>	425
<212>	DNA
<213>	Glycine max

<400>	10925
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 tacgaaggag gaccagagtc ctgcttgtat gactgaatct gtacatactg tcacattcca 180
 cacctgcacg acaccgattt atgcgggaaa ttctccaaat atatcagagc tggtctgctg 240
 tctctattag accacctgtc tcttttcatt cacgtacaat gccctttctg ctgcatgggg 300
 agcatthaacg ctgatttcac tatccagagc atcaagagtt acagcaagga ttgccccagt 360
 tccctgcctt ttcactttgc ctcccgaagt atatttctcc tcaaccttgg cctgaactc 420
 ttttc 425

<210> 10926
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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 <400> 10926

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 aaaaaaatct cagatttctt cattccttcc attcaattcc aatccaaaat ggatcaacac 120
 cacttnctcc accaccacca ctatcaccac cccaagaac accgcaatcg atacacctcc 180
 ctcacacctc aatcccacct tcacagtcac caccacaata atcttctctc accaccgcca 240
 aatccttctc cgcctctttc ctaccaccgc acaccgnaac cctacacccc tcttacaccc 300
 caaccccaac atcaacaaca acaattccct tataaccccc tcccagaccg ncctctcgaa 360
 gaagaacccc aacctcaacg tcatatccca tacgatcttc tncctcgccg naccaccacc 420
 ctnccttgga accctaacc taaccctaac 450

<210> 10927
 <211> 382
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127c02a1
 <400> 10927

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 agtcggtccg aacgaggatc ccccccttc cttgacgaac acagagacgt gtgttttagga 120
 ttctatttga gccgaggttt gagattttaga tgcaaataaa tatataccct gtcttgagcc 180
 gagtccccctt taagccaata gcaatcaaac aaagtttcgg ttattggtgt tcatttttct 240
 tcctccatct ttctctaaaa cattaattga actctccatt ccttaaattt taccaacgag 300
 ctagttccga cactgacaaa gcaatggcaa agcctgagtt agaggtgact ggtgagagca 360
 agaacaaaga actaaagcac ct 382

<210> 10928
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127c02d1
 <400> 10928

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 cccacaaagg gggggagcac cctttttgag cattttccgc ccattttaca aaaaaggttt 120
 tttttacagg ggttctacag gggttaataa catagtttta ccatgcctaa aaaagctaaa 180
 aagggttgtt aggcccaacc ccccctttgg ctaaaagggc ccacccccca aaacaaggtc 240
 cttcttaagc aaattttttt gaaaaagaaa ggctgatttt aatcaaaaaa agaggccgat 300
 tttaattttt gttcctaaaa gggggcattt tctcctttaa agggcgccct cccgggttg 360
 aaagcccggg gttttttttt aaggggaaaa a 391

<210> 10929
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127c03a1
 <400> 10929

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 caaaagataa aggggactat ggaggttatg cagaagaatg agttggatat caacagcatc 120
 accagagttg acgggatcgt cggcaccggc ttagacttct taagcagagc actcgatata 180

gttacttttt tagcctcctc catctccatc caacttatta gtgctaccaa agctgatgga 240
 gggaaaggaa aagtaggaat ggctacaaat ttgagaggaa agataacatt accaaccata 300
 ggagctaaag aagaagcata cgaagctcaa ttagattggg acagagactt cggaattccc 360
 ggagcatttt atattaagaa cttcatgcaa acgagttcta ctcaagtctt taattctcga 420
 agacattcca aaccatggaa ccattcac 448

<210> 10930
 <211> 462
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127c03d1

<400> 10930

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 ttattaatga caaatacaag tacattcagc cactccaaat acataactta aacatacaca 120
 actgatgaag gaatcagatt ccttctattt cacatttatt taaagccagg gacagtactt 180
 cagcaaccat agagccctta gatagagata ctgttgggaa ttctcttgaa agtcaatccc 240
 tcctcactag aaggatagag caaagtgtaa ggcatttttag cgggcccata gcggtttctc 300
 aatggctcat tattggtctt ctctataagc ttcttttcaa tctcttcaag attctttcca 360
 aacctcttaa aggcccttaa tggcccggca tcagaagtcc agtagtcacc gccatctctc 420
 tgcccaaggt agaactcatc aaatgcgtgc cttgataaaa tt 462

<210> 10931
 <211> 223
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127c04a1

<400> 10931

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 ggggatatcg ccacttcaag tgtagagggt tatattactg cactaaacaa aatgctggat 180
 tcacaggaac gattagcatt cgacgaatga attgtagcac ctt 223

<210> 10932
 <211> 376
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127c04d1

<400> 10932

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 attgttcaat aatatgggtcc atacttaaaa agatcacaaa gaaatcacia atcgctagct 120
 gaatttataa cttgaagcgt gaattctaac atttaggcgc tagaattctt tcgacaaata 180
 caaatcattc ctttgaatcg agcattttgt ttagagcagt aatataagcc tctacacttg 240
 aagtaacaat atccactcct tatccgggtac cactaaatgt tggataaata acggatccat 300
 tcaaagcagg agtaggtgac tgcttattct ctctacgaaa tacaacacgt gtagtagcaa 360
 ttgcatcgga gcctcc 376

<210> 10933
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220127c05a1

<400> 10933

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 ttgttgcaat tggggaaggt tanagtagna gtttctttgc atgggtattgg tggaggagcc 180
 tttggcttgt actgattcaa ttcagaagct tgagggttcag aagcacttga agaacttgaa 240
 taggcctcct gttaggtcca tcaagagtcc tgatggagat gttattgatt gcatccatgt 300
 tacacaccag ccagcttttg atcaccctga cctcaaaaat cacaagattc agatgaaacc 360
 taatttc 367

<210> 10934
 <211> 521
 <212> DNA
 <213> Glycine max

[illegible][illegible][illegible]

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0 **1** **2** **3** **4** **5** **6** **7** **8** **9**

0 **1** **2** **3** **4** **5** **6** **7** **8** **9**

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0 **1** **2** **3** **4** **5** **6** **7** **8** **9**

0 **1** **2** **3** **4** **5** **6** **7** **8** **9**

<400> 10936

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aaatatgttt aacagtagga gtaaaacaaa ttacaaaaca cagaaaaaca agttttcctt 180
gttctccttg cccacatggc caagagtctg aacaagtaag aaatataaga aattatgaag 240
gcaaaaatag cagaatgatt caatggcccg tttaataactt caattattga ggacatttat 300
tccaaattcc aatccaacac agaaattggg gaattttccc caagttccac tctcggcagt 360
atagttctgc aaaagtagca ctttcacatt ctggccttag caaccacaat actgcctcta 420
tcaatttcta cagctcctgg cctagtccat gattctttaa actgctcttc agttactcct 480
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tagttagca 549

<210> 10937

<211> 285

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127c07a1

<400> 10937

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ggtttttctt caatatgaag tactttgagg aaaaagtaca ggctggtgaa tgggtagaag 180
ttgagaagta cttaacaggg tttaccaaag ttgatgataa tagatactcc atgaaaatat 240
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<210> 10938

<211> 197

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127c08a1

<400> 10938

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<210> 10941
 <211> 488
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220127c09d1

<400> 10941

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 aatgtcatat ttaacattta aactacacct tttaaacaag gagctatagg ggaaaaccaa 180
 gatacttggt tgtcacctag gacaaaaaag ctccatggct tcaactacga gtgaagattc 240
 ctttattaaa tctgaatatac tttagaggctc acaagaccga aaccttgggg tttcaatcct 300
 ttgggaggcc tccattttt cagctaagcc atccccttct aacatcttca atacttttga 360
 catcttgggg cggggcgaag gattgaattg tgtacacaag agtgcaacct gaaccatttc 420
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<210> 10942
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220127c10a1

<400> 10942

ctttttcacg cgacgcccta gttcattttt cttctccgtt ctcttctctc tctgttcttc 60
 actcactctc attcattcac catgacgaaa caacatgccca attggtctcc ttacgataac 120
 aacggaggat catgtgttgc gattgctgga gcagattact gcgttatcgc cgcagatacg 180
 agaatgtcca ccggttacia catcctcact cgcgattact ccaaaatctc ccaactggct 240
 gagaagagtg agatggcttc atcaggcttt caagctgatg tcaaagcttt gcagaaaggt 300
 ntgtctgcta ggcattagat ttatcagcat caacacaaca agcaaagag ttgccctgcg 360

<210> 10943
 <211> 459
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127c10d1

<400> 10943

gactcagaca aaaatccaat gcaaatttaa gtgaaagcag tctagttata atgggagcag 60
 actagtaactt gttcaaagca atttcactgg aaatgctatt ctttaatttcg cctcatggga 120
 aaaacccaact acgtcatttt aaattttaga agcattttcaa acatttctcaa tccaagacag 180
 gttttctccaa caacaatttc ctgtaaagca ttagtctttc cttagggcca tgtattcacg 240
 atgaatacca ctggcattta ggatgacgat ttcaacctta tctccgggggt atatatctct 300
 ctcagttgca gatgcaaaaa cagttttgac cagatcaact gcttttgctt cagacaatgg 360
 agtaacagca tcttgggcag gtaacaggag tgggctagga gacttcagct ggttatcaag 420
 aaatggcata ataagtgtgg atccagaacc ctgagagct 459

<210> 10944

<211> 352

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127c11a1

<400> 10944

aaagattcga ttctactagc tgggatacta gctggacagg agaagtttgg aggcctcaga 60
 gatggatact atatccatgg gcaatgtgct attataatgt ttgatgttac tgcccggcta 120
 acatacaaaa atgttcccac ctggcaccgt gatctttgca ggggtctgtga aaacatccca 180
 atagttcttt gcggttaaaa ggttgatgtc aagaacaggc aagtgaaagc aaagcagggt 240
 actttccaca ggatgaagaa tttgcagtac tatgagattt cagctaagag caactacaat 300
 ttcgagaagc ctttctctta ttaggcctgg aaacttgcaa gtgaccta tt 352

<210> 10945

<211> 456

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127c11d1

<400> 10945

aaaggaacat aaaccctcat ttttctaate aatagtatcg agtttaactt gaaaaaaaaa 60
 cccaaaaagg aacaaactct accctccatc ggctaaaccc caattcgcat ggtatattaa 120
 aaagaacccc aaaattttgt cgaaacaacc aaaatcctca tctttttaac gcccatgggtt 180
 gatatattaa actgagggtt taaatttaag caacaaatct ggatgataat tgattcagat 240
 cctcgaattc gcatccaaaa atgtcaacac tacaaccccc aacagcacat acagtagcat 300
 acaaatacca gcgcactcag aaaaacagcc ctctactcaa aagattcatc atcatcgtca 360
 gggaggggct gactagcagc tgcaagaagc tcagcctcgt gctgttgctg tgcagctaaa 420
 tcaatttgaa cttctgggtg agccaatgca ggagat 456

<210> 10946
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127c12a1
 <400> 10946

ctagagtctg agagtccttt tttccagagt catggctatg gctttgagtc tctcccaatt 60
 ccctgttcga gggctctgtt ctttgcccaa agaagacta ccagaagaa gcttttgcatt 120
 taggggcatg tcagaaacct cttccacttc ttctgagagc acccaacaag aacaaccaac 180
 ttctgataat gcttcttcag agacaattgc tctctcccct aacttcaagc cccctgagcc 240
 taaacgcttt gcaattaggc ctgataagac cagagaagag ttaggagctt tgcttccttt 300
 gatctttcgt ttgcccactg gagttttcgt ttctgggtat tctttttcaa ttgtttctaa 360
 ggatgaaatt cctacagacg aatatgc 387

<210> 10947
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127c12d1
 <400> 10947

tgtttttagtt tttttttttt tttttttttt ttttttttat agagaaaatt tgatttaccc 60
 gttagagctt aaaaccatta tcaattacat ttacaaaagg aatgaagg gcatatcatg 120

agacttaaaa acccttaca ggcctttccc tattatagca tcacttacta aagagcgtat 180
 gttgctcata aatactctat gatttctgca ctttcaaaca tttctatccc agtgtttgga 240
 tcttccaaaa aagggtgctg gaaaggtcca gttttctgat aaagaatatg tctttttggg 300
 ctacccttag cacaactgac aagcaagggt ggcagctcca attccacaag tacttcacgt 360
 acaagtttgc agaaaggaga cccctcatat gcccataatt taagaggctt tggagggaac 420
 t 421

<210> 10948
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127d01a1
 <400> 10948

tagccccttg aaaacttgag gctgctataa gtattgtagt gagggacttc aacactccct 60
 ttttcttttc tactcggttat cctcatcttg ttgagcgtgt gagttagaga gagttagaga 120
 aagggaatt gccaaagcgt tgacactgca actctagtga ttcagcaacc caatgggaaa 180
 gtagaaaggt tgtattggcc tgtaagtgt agtgaagtga tgaagaccaa ccctgatcac 240
 tatgttgctc ttcttatctc caccacattg agctcatcca aagacaatga aaatcgctca 300
 aataagcgtg acaacaccaa caccaccaac cctgttcgcc ttaccgcgat caagcttctc 360
 aagccaacag atacctt 377

<210> 10949
 <211> 205
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127d01d1
 <400> 10949

cactagaaag tattatctga atacattaat tagatagttc aatatgtcaa cttttactat 60
 acacaattat tatgcatgaa ccagttgtt caaccgaagg gaattttatc atctctcagt 120
 tttttttcag gctttcctga atgtactata tatttaattc aattttaatt tccacagatc 180
 taagcaatca tggagcgggg attaa 205

<210> 10950
 <211> 272
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220127d02a1

 <400> 10950

 attaggagat tccttttcaa tctgcaatgc tcatgagggg agcaagtcca aagccaatag 60
 atggcttgag ggccccttgg aggtataagt ctgtacataa atctactggt tttgagaaac 120
 caagaaagta tccccagcca tttccttttt ctctttatga tttgttggag caaagtctac 180
 ccctgtataa tatgctacga cgccatgtga agaaaaagtc atctcttctg agccctcctt 240
 tacctaatcc tgatcttctt gttcctgcaa ac 272

<210> 10951
 <211> 463
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220127d02d1

 <400> 10951

 acagcgcattg agaattgata tttattgtcg aaaagttgca aaacgtgaga cgatgataaa 60
 atttgacta aattacattt ttaaacttgc aaattgtact atatttattt agatataccc 120
 ctttcccccc aaaaaaactg agagaaaaag gtcttcttca ctattttatt aattaatacg 180
 agagggaaaa atgcttccat atatgtagct tttagtaatg tacagcagca atttcctctc 240
 acttccaact gcagtctttc aagtcttaag ataggttggg ataggtacac cagactgttc 300
 tgtcaacttt ttataagcag cttgcaacct tctagtact ggtcctactt ctccattgcc 360
 aattatgcga ccatacaacct tcaactacggg gcttagttct cccattgttc cagtcgtcca 420
 tacctcatct gcagtatgca cttctgacaa gctgattcgg cgc 463

<210> 10952
 <211> 324
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220127d03a1

cagcagcacc cagtaccag ccctctgcgt ctcatccctc tccgtctacg cctccagcat 180
 ccaacaggac cctcaccaac tgggtcagac agcactctcc ctctccctga accgcacca 240
 agccaccaa accttcgagg ctaactgcaa caaattcaga ggcttgaaac ccagagagca 300
 cgctgcactc aaagactgcg ccgaggaaat cagcgacagc gttgacc 347

<210> 10955
 <211> 475
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220127d04d1
 <400> 10955

aagttgcatg agaagatcca tatatctata aagacgcaca ttataataa ttacatagag 60
 cacataaaag aagaaaagta aagcattaag caaccaagat cattgttccc aactagtgtt 120
 gtgcagcata gtggttaata agcgagagag cattgctagt aacctgagca acattgagca 180
 tcctagccct aatagagtcc ttgatcttcc cattcagcgc cttcccggag aatccatcgc 240
 cgcaagtgct ctcatcggtc aaagcagaac tgacccatgt ctccacgttg ctaatgtgcc 300
 acgtgaagtc ctacacctta accttacata gcttgagctc cttcagcgac cggctgaggc 360
 ggtaacgct gtcgctgatt tcctcggcgc agtccttgag tgcagcgtgc tctctgggtt 420
 tcaggcctct gaatttggtg cagctagcca cgaagggttt ggtggcttgg gtgcg 475

<210> 10956
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220127d05a1
 <400> 10956

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 catcagaaga ggttgctgag cagattctaa aggaacaaa ttctagattc ttaacgtcag 120
 gccataatga tgaccaagct tgagtctctg aaaaggccac tggcaattct ctgcagagta 180
 atggatttgg tcagactgag agggacaatt taagggaat cagggttaatt gcacctggaa 240
 gtattctccc atcgaccctt gacacaaagg acagtactga acccaaccag agaaatggng 300

aaaactcatc gcgtgtgttt ggacttagtc gnagattact aataaatagc tttcagcgga 360
aaggtncttt agatgaaaaa tctgaacatt at 392

<210> 10957
<211> 522
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220127d05d1

<400> 10957

gaaatgaaac tgcactacac ttaataacag ataaacagga tttattcaca catgtgtaca 60
tacaacaaag cctcaagcaa cttcacttca agaggctaaa aaacataaag gactactcgt 120
gtatgaaata ttttttttct ttattaaaaa aaacatgtca tgtatcactc cagttatcat 180
catcttcacc atcatcactc gcaacaacct gacggattgc atttgccttc tccaaaattg 240
ctgtaacttt gacgtttgct gtggaaccag tggtatcatt tgactttcct gatactgggg 300
gccttaggtt gaatgcctga accaataaat aaatggcaag tcaatgcaaa agttgactac 360
aattaacatg atttatttta atgttgctag aacatgttct ggattgattt ttgtcatcaa 420
tttghtaatt agaggactaa ttagatctaa aaaaataact aagtatttaa tgaccattnt 480
gacgtattta taatttataa tgaaatacaa agttgatgac ac 522

<210> 10958
<211> 291
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127d06a1

<400> 10958

taatcatcaa ccatggcagg gagattgacg aacgcagcat cgaggatctt aagcggaac 60
ggcgtcgttt accgatccgt tgcttctctt cttcgctcc gctccggcat gggcctcccc 120
gtcggcaaac actatgttcc cgacaaaccc cttcccatga atgaggaact cctgaggggac 180
aacggcactg catttcccgga accgtgtata gatcgatttg ctgacactgt cggaaggtat 240
gaagcattgg ccaggctgtg aggggggatag agttttttcg cgtcgctggg a 291

<210> 10959
 <211> 565
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220127d06d1

<400> 10959

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 atacttactc actcctcaca atagtcacca taagcattag catgatcaaa agaacaacca 120
 gattcgggtc ttctattcct ttagatgggt tcagcaagtc ctccatgac ccttattttg 180
 aactacacaa aagcacaat aaacgtagaa gaacaatata tcaaacaaga acttctcatc 240
 cgatcggtgc cttggatcta cctatgggtc accaccaagc tccactcgca gattggcata 300
 tggatatact ttgggtgcct gatacaaaga aaataacaaa actcaatcaa cataagtact 360
 ggacagctgc aaaatagcac tgtataagaa gcttcaaaag acgaaaatat caaaaagaag 420
 gtggccatta atacaagcaa gagtgcaatc aggatacatg gactataaca atgacacaaa 480
 aaggacagaa acctccatta gtccatagac catgaccatg cccaactcta gncaacaaac 540
 tgcacttttc tttcaaccaa acaga 565

<210> 10960
 <211> 331
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127d07a1

<400> 10960

gaggctcaca cagcacaga tctgatctat ctgaagctga aaacgccgac gcccgcacga 60
 gatgatgaag atggggctct caccttcacg ttgctccttc ttctatttc tctcctcct 120
 agaggcgctc tccccctcgt cgctctccga gatccgggtc tccgagatcc gaaacgacga 180
 tcgctccatc gttcccttcg atcagttagg attcaccac aagggtcgcc ttgagctcag 240
 cgtttccaaa atatcactct ccaattccaa tttggacctc tccaaagtgg gattcttcct 300
 ctgcaccctg gattcctggc ttcattgtt c 331

[illegible]

<400>	10961
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<210>	10962
<211>	284
<212>	DNA
<213>	Glycine max

<400>	10962
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<210>	10963
<211>	348
<212>	DNA
<213>	Glycine max

<400>	10963
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 ttttaatttat tctccataca catgcagaca ataagttcga acaagttcag gagcggcatg 120
 gattttcttc accgagcgaa agcggagcgc ctccgcagcc accacgacaa gtacctcttc 180
 gcggaggagg acgaggagtc ggagacgcaa gaccgcaacg gtcctccaa aagcgcacgg 240
 aggacggtag aatacgtggc cgaatacgac aacataattc gcctgaagag ctgntacagc 300
 aagtacctca ccggttccaa ccacctcttc ctcttgggca tgacgggc 348

<210> 10964
 <211> 538
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127d09d1

<400> 10964
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 atccacctag agaaaaaatc atgaacaaaa aattacataa accatcaaac aacaaaattc 120
 ccggaatcca catgcaacac atgcttatat tgaagctgga gttaatgaaa aagaagcccc 180
 aacaaaatcc accatcagaa tcgcctataa cacatgtcat tgatgaaagg acattgctgt 240
 tttgatccat gcaatgacaa ctctaagctt ccctcacagg accatgatga actctgctta 300
 ataaatgaaa tggactagaa catattccta aattctgaac tggcttcgat cagtacataa 360
 ctacatatat gtaggctttc gttgcaaaac tctaaaggct tctcacagta agccttgctg 420
 ctcaaagtct cttgccactg aaaaggaaaa gacagcaa atgtattaagg taacaagata 480
 ggacatttga ggagaggaag atatagattg gaacaaacag aaatatgatt gatgtcta 538

<210> 10965
 <211> 297
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127d10a1

<400> 10965
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 cttattgaag acaagcaaga aggttgaaga gttctctggg atgtatttac aaccacacaa 120

agctgttgta ggtgataatg cctttctcca tgaaagaggc gttcaccagg ctggattggt 180
 aaagcataga ggtacatatg aaatattgtc tcccgaagat attggccatg aaaagtccaa 240
 tggagttaat atggtactag ggaatctaag tggacgccaa gctttgaaaa gtcgact 297

<210> 10966
 <211> 551
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127d10d1
 <400> 10966

cggaactat tcttctttt attctccttg atcatcaagc aaataataag ttcatttctc 60
 atatattagt cccatgtgga gacttacaaa ggtaacattc tccaataata tgttccatac 120
 ttaaaaagat aacaaagaaa tcacaaatag caagctgaat ttataacttg aagtgtgaat 180
 tctaacattt aggtgctaga attctttcga caaatacaaa tcattccttt gaatcgagca 240
 ttttgtttag tgcagtaata taagcctcta cacttgaagt aacaatatcc actccttctc 300
 cggtaccact aaatgttgga taaataacgt ttccattcaa agcaggagta ggtgactgct 360
 tattctctct acgaattaca acacgtgtag tagcaattgc atcggtgcct cctgtaactg 420
 tacttggtga gtattcaagt acttttacgg tttccttcac tatgagatta atagccttgt 480
 aagctgaatc tactggctct acaccaacag aacaagcaac atgtgtgcta ccatcactaa 540
 gaacaagttt g 551

<210> 10967
 <211> 291
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127d11a1
 <400> 10967

ctggaacagc tataataatt aagaattcta gttctccctc gggtaaaatc ttggatacgt 60
 aaggttgtct tagacagaga tgatgaacaa ttaaagaaaa ctgacaacaa accaacaccg 120
 atggaagaag ctgtgcaagc tgcaaaatca gctgcagctg cagctgcaga tgtggcaaaa 180
 gcgagccaag aaatgctggc ttcaaaaggc gaagagatgg agatactttg aggaagttga 240

095413 03200

gagcctttta gataagcaag tacaagaaat gaagtcaatg accaatgcc a t 291

<210> 10968
<211> 422
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127d11d1

<400> 10968

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cgcttgcaat atgggatggg gggcccgcgc aaaggccacc taatttgatt atgaaacaaa 120
tgggggggaca agcttattcc aaaaaatgtt tttcaagaaa aaacatgcgg gattcacctt 180
catttcacaaa aaaattggac tccaggcccc ccttggttct cactaaaagg gggaaccgag 240
ctgacactgt ttcccttaac tggcccttta aattccaaaa gtttgggggc cctatgtccc 300
acatcggaac ccgttaaaga aggggcccct ggctgggttat aaaacatttg gtccttttgg 360
gccgctggct ttggccccct gattggttct gcagcccccg ggataacttt gggggggggg 420
tg 422

<210> 10969
<211> 394
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127d12a1

<400> 10969

ctacataaac acttcccacc caaatattat tggaggaagc aagagcatta gaaatagctg 60
cacagcagac caagtcgtct aggggttgcta taccagtttc taggcaaaag gatgctctgg 120
aatctgataa gggatctgcc tctgaaagaa gtgtgaagtc taaggctatt cttgcaagac 180
aagctaattgg agtagttcct gatccgggag tccgtgctgc atcagatggt gaaaaaattg 240
taccatctgg aaacactggt ggatcaagta gggagcatct catcgatttt tggaggatgt 300
gatagccgta tgtctgagaa agagaatata tctagtaaac cgcagctga accagttcac 360
agcattgagc aatcagtcct tatgatccat ttga 394

<210> 10970

<211> 414
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127d12d1

<400> 10970

gatgacaaaa atatctgact aaccaaaaaa gaggaggtca tatacacgat tatatagaaa 60
accgattctc aaaaatgtga acaatcacca gctcccatTA ttctttctct gggagccttg 120
taaaaaatgc ccatgctata tgagaagaaa aggtgaacgc aaggaaagaa agcagtggcc 180
aacattcaac accatttttag ctagatagag taatttcatg cagtccagct ccgagaggca 240
gaattctaaa tcccgaagt tgcaagttaa tcaaatgaat aaaatgcctt gagttaaaact 300
acttcacca atgagctcat tcgcccatag ctcatgcac taccatggga taaaaacctg 360
acatgaatgg ccttccgctt ccattggaat ctgcattggc atgcaatggg gatt 414

<210> 10971
<211> 395
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127e01a1

<400> 10971

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aacaaggttt agtgacacca aacagacggg aaatgggtcg aggggtcaga gctggaggag 120
gacagagttc cttggattat ctctttggca gaggggtacc tgctgcagt gcaaattggag 180
ctcgactca aaatgcaaga gctccttcac caccggttga taagcaaagt ccagcaccag 240
caccagcacc agcacctgca cctgcagcag cagcagcacc agcacctgca ccagcaccag 300
caccagcacc agctgataag caaattccag ctggaattcc tggaagtctc aaaaacaatt 360
accatcgcg tgatgggcaa aactgtggca acttt 395

<210> 10972
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127e01d1

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 acgccccccc cggacctcgg gttccaaaac acccggacag ggggccaaac acccaacctc 300
 ccctaataaa aaaaagcggg gggggccccc ccgagaaaag accccccccc ccccaaaagg 360
 aggggcgaaa aaagggggg 379

<210> 10975
 <211> 373
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127e03a1
 <400> 10975

agttcataga gtagaaaatt ttagtcgagt tagagatgag ataattactg aaggtgatat 60
 agaatctgca aaagaagaga atgttttgga atcttcctca gaaccagttg acctcagtgc 120
 aggaaaggaa gacaaaaact atggatatctc agaaacttct gattgtgcaa gaagttctca 180
 atgttcaaag caggatgtaa cagaagtaaa caaaccaaca tctccactgt catccccctc 240
 gcactcttcc cccactaaga aaattgaaga gctaagtgtt acagaggat ctggtcggcc 300
 aagtcctgta tctgttcttg ataccctatt cttagaggat gatatcaacc ctggctactc 360
 cagatttcaa ccg 373

<210> 10976
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127e03d1
 <400> 10976

ggaaaacaaa cccccgggct aatatattta tgatcagcat atcaaactct aaaaaattta 60
 caactaaata acggggggccc ttagtggggg aagggaagcc cacatagaat aaaactggta 120
 aacttttgtc attgtaaaca aaacaagcat catttgtact ttaacaaaaa gcagttgcaa 180
 cgggcttctt atttacttat tgggacttgg gggcccttat ttgagtatcc tcaactcccca 240
 tgaaaggttt taactactgga aaagtcaggc ctgatcaaag agaaatgttt tgctacaaaa 300
 tttgctttaa aaaaaagcct acaagtcctc aggatttttt acttcccttc cacctttcaa 360

agcaatttaa gaggggataa tgaacaaaaa ggaggggttt tggtttt

407

<210> 10977
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220127e04a1

<400> 10977

gaagaacaga caacactgac tagtcccaga gcgacggcta agcctctttg ttctctgtcc 60
caagcttcga gcagaagaag aatcaaatat cactactttg attttgagct ctattgcctt 120
tgccatcaac cggcagccat gtacagaaac gctgcttcac gtcttaaggc catcaaagcc 180
cgttcgtgca gcagcagcag caggggtacct gccagtgcc a gattagcaag ttccgttgcc 240
acgcaacaat cctcttcttc tgggttaggga ggtttattag gatgggtcac tggagaccga 300
accagttctt taccatctct ggggtttcca tcttcaggcg ttacacttnc ccctccattg 360
cctgattatg ttgcgccgga gaaaactatt attactacac tccc 404

<210> 10978
<211> 494
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220127e04d1

<400> 10978

caatccaaaa aataatccag tagttttaag ttcagtccaa aaaatagtca tgtgagaact 60
ctcagatcaa tgtttatgta cccagaaata atgagatgtg aaaatcacta atttattgac 120
tacaacaagg atagttagga agtttaactt aattttacac ctttcatccg tacaagactt 180
gattgtttat aaagaagact caatatgatg ggtggatgaa agcaatctca ttaggcacgg 240
aatttgagac tactgattc atagcttga acatagagaa catctccata tgatgccatt 300
gtgagaggag aacaaatgag ctttcgcgaa attgaagtga tacccttcga gggtacttca 360
tccactgcct tcaagaaatc ctccacaggt ttccctttac catatgtcaa aatttgtctt 420
tctatatctt ctgaaacaac catttttgat tccaaattca ataaaattgc agatttgagg 480

gcctgttttg ctcg

494

<210> 10979
<211> 311
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220127e05a1

<400> 10979

ttctgatcca tatatatcat actttcttta gtaataactt aaagaacccc acaataacac 60
caaccatgtc cacaattgca aagagagatt tgagttctaa tgaagtagtg agtgagctga 120
gaagaggtcc taggactcta gaagaagaca tgcttactca tacactatat tgctcgtcat 180
ggagaaagcc gtaggtatat gttagccaaa agtgcaggat agaagaggac tggaaaaagt 240
tgcagactta gatggctgaa ttattagaaa ccagacatta agagagggaa cctcactcca 300
caggagcaac t 311

<210> 10980
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220127e05d1

<400> 10980

natggctacc acgatagcct actgcganac tncccgagcg acagctacta gccggcggcc 60
gccctttttt tttttttttt tttttttttt ttttttcatt ttttcttat tctatattat 120
ggggcacttt tgggtttttt ccccatcttc acctctattc ctttattaaa tttttcttta 180
ccttttcctc tctatcctcg ggagaaaaaa tcccctcaaa taacaccaaa aataccacct 240
ggtacgggga aaaaacaaac acacctcaac ccatatataa aaataatata acaggagaga 300
cccaaacac cccaccctta gattattcat ataaaaaaaa caatattaac aaagggactt 360
tacaaaaaaaa acccccacc actacaaaat aattccccca aaaaaagaac ctcccccccc 420
aaaaaaaaac ccgtacaaaa aaacacccaa aaattgcttc ttctcccaa aacacacccc 480
cccac 485

<210> 10981
 <211> 310
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127e06a1

<400> 10981

aggtagagtg tttctttgtg tttcagttcc catctaaaga gggtagatgc tgtccaaatg 60
 atttggaagg ctgttcacg taaagttcct ttcatagaagc tcaagactaa taggtctagg 120
 agattttctga ggtctcttta tgggaatcac aatttttggga gaatgttaat ttcgttggat 180
 aggatataat tgcaaattaa agacaaaact taaatactac ttaattaggt cttgtttttc 240
 taaaaaaaaa aaatttaata ttatttaatt aaaaaatttt ctatattgtt ttttttttat 300
 aaaaataaaa 310

<210> 10982
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127e06d1

<400> 10982

ggggaaaaac acgacctaata taaggggttt ttaaggtttg gctttaattt gcgatttttt 60
 ccacccccac gaaattaacc ttcccccaag atgggggttc ccataaaggg gccccagaaa 120
 tttcctaaac ctattagttt tgggctttat gaaggggact tttcgggcaa cagccttcca 180
 aatttttttg gccggatccc cctccttagg gggggactgg aactaaaaga aacttttaac 240
 ccttgg 246

<210> 10983
 <211> 343
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127e07a1

<400> 10983

aagatagaga gtgaagtaac tgaagagaag aaaaaatgcc gagcctcaac ctcagcacca 60
 acgtgtccct cgaaggcgtc gacacctctt ccatacctgc cgaagccacc tcctccgtcg 120

ccagcataat cggcaaacc gaagcctatg agatgattgt actgaaagga tcagtaccca 180
tagcttttgg agggaatgag cagccagcag cttatggaga ataggtttcc ataggaggtc 240
ttaaccctag tgtaacaag gaacttagtg ctgcaattgc ttcaattctg gaaaccaa 300
tgtcagggcc aaagtcgagg gtcttcttga aattctatga cac 343

<210> 10984
<211> 485
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220127e07d1

<400> 10984

aagcgggtgcc agataatgtt tgtcacaaaa agtgtcaaac acatatgatc cccatttata 60
cttgcaatta agcaagttac gtttgcgctt aggctaccag aaatcccgag tgtacttata 120
taatgatata aacatagaca taaacacggg tgaacataa tgaacactcc atccaacatt 180
caaggtacca caaccaatgt aacatggaat tcggatttca gaatgtagat ccattccatc 240
cgaagttgga acccttggtg tcatagaatt tcaagaagaa ccgcgacttt ggcaactgaca 300
atttggtttc cagaattgaa gcaattgcag cactaagttc cttgtttaca ctagggttaa 360
gaccaccaat ggaaaccaat tctccataag ctgctggctg ctcatcccca ccaaaagcta 420
tggttactga tcctttcagt acaatcatca cataggcttc gggtttgccg attatgctgg 480
cgacg 485

<210> 10985
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220127e08a1

<400> 10985

agcaagagct cttctcaaaa aagcaaaaac ataaagaaaa gagctagtca ctttctctct 60
cctagcccg cctagccga gctagccaac ttccacactt agcagcctag cccggccggc 120
ccagtgttga aaaactctct ctttcacatg cagacttcca ctgcctctct cttccaccac 180
ctacagcccc tttggactga ttttcataac tgggttagag ttagagttag atttactcta 240

actgaattat ctatgtact

259

<210> 10986

<211> 412

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220127e08d1

<400> 10986

tttttttttt tttttttttt tttttttttt tttttttatt ttttttttgt tttattgggt 60
 atttttaatt ttttttattt ttttaatttta tatatgtatt tttgttaaatt ttaaataaaa 120
 aggagaagga aaaaaaaatt tagagcataa acaaaagaaa taaaaaattt ccaaaaaaaa 180
 ataaaacaaa aaaaaagaag aaaaaaaaaa aaaaaaaaca aagagggggg ataaacaaaa 240
 aaaaaaaaaa aaaaaagggt ggcaaaaaaa aaaaaaaaaa atgaaaagag aaataaaaaa 300
 agacaaaaaa gggcggtggg agggaaaaaa ataaaaaaat taaagagtct taaaaaacat 360
 aaagtgggggt taaaacaaaa aatataaaaa aaaaaaaaaa aaagacttct gg 412

<210> 10987

<211> 387

<212> DNA

<213> . Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220127e09a1

<400> 10987

gaaaaatttc tccttggtta gtacggcaca caagtgagat caaagatgga aaatatgcc 60
 ccagggttatc gtttctaccc cacagaagag gagctgattt cgttctatct tcacaacaag 120
 ctagaaggag aaagggaaga catgaatcga gttattccag tcgttgatat atacgactac 180
 aacctatctg aactcccacg taaaaatctt atatatatat atatatatat atatatat 240
 ccctcatctc cctctttctc ttttcatttt tctaattggt ttttcctttc aatcaaaatc 300
 gagcttgact tgaaagctat ggtacaagtt gattttattgc atatatatag aagcaaagca 360
 cattctggat aattnaagggt tacatac 387

<210> 10988

<211> 505
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220127e09d1

 <400> 10988

atcagacaaa ttagccacta tacacaactt tataaagcta gcaagaaatc taacaaatat 60
 ttaaagtagt tgttctgcat gcggtgcgac atacacaatt aattaacata acctactact 120
 tattcagtca tcggtgtagc tgagacttga gagtcaactt tgttgtagca taccaacaaa 180
 gcacagatag attggattgg atgtgttcat ggttctgac ccaagaacat atccactttc 240
 tcccaatcca aaaaagggtc atcgttgttg tcaacatcca tttgagtagc ttcctcaccg 300
 tgaagagggg gttggtcatg gtctccggag gaagagctct ctgctggtga acacgttgca 360
 cttctctcca ccattttatg atgataatca tcatatgatg ttgaaccctt ttgttgctct 420
 tctacatttt gagcaccoga atagctttct gtgtccctcc ttggcggggg gncgtctatc 480
 aaatgctgtc aaacactttg atttt 505

<210> 10989
 <211> 316
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220127e10a1

 <400> 10989

ataggaactt gcagaaacat aaacatatta gatgtcttag tgaagttgag aacaatgatg 60
 agcttcatgt ggttatgttc ccattccttg catttggtca cattaacgca tttgttcaac 120
 tctccaacaa gttgttctct catggagttc gtatcacttt cttgtcagct gcatccaaca 180
 ttcccagaat caaatcaact cttaatctca atccagccat caatgttatc ccactatact 240
 tcccaaattg cataaccagc actgctgaat tgccaccaa cttggctgca aatctcatac 300
 atgcacttga ccttac 316

<210> 10990
 <211> 548
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127e10d1

<400> 10990

agagaattca tgcactaact ggtcttatta taactacagt agaatctgga gaaaggagac 60
acattggaag agactagact aagaaaatgg attagtctta gtagacttta ttttacatta 120
atattggaag agaatagacc aagaaaatga gcactgacca aactagtcac acacattcac 180
acacaaaaca actaatacac gatcgaacag ttcaaatttt aaatgatagc ttatagtcca 240
agaaatccga atcctgaaca ctaagccata gacttcaact gggcaaccag atcagtgatg 300
aatttgttct gaattccttt attcaataaa aactccttcc atttcatgtg gttttctttt 360
atttgcttcc ctggctcttt atcatcctcc accatgatag tttttactgc cttcagtata 420
tcctctttct taaagtcccc atcttcactc ctattcacct ctatccctgc ctccaaagcc 480
ttggctatga gcttagcatt gaaaaactgg tcagccttga aaggcaacag caccagttca 540
caatcact 548

<210> 10991
<211> 292
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127e11a1

<400> 10991

gggatttcgt tagctggaag ctcttgaaag tagatataaa agtgaatcta caaaagatga 60
agatgaagag gatgatatgt atgtcctttc aacaagcaac cagcgagtat ctgttcaact 120
tttgggtaaa gataaagttt atgataagct aagttgattt gagaagttaa ccagtgtatc 180
attgtcatat atgggcatta gttcccctgg aatcccatct cacattaata atacagtgcc 240
aagtaagctt gattctagaa cacttccatt tctttgctaa tatcaagatg aa 292

<210> 10992
<211> 447
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127e11d1

<400> 10992

aggaaaaaca aaaacatacg agtgatttct ttccctccag ggacctctc ttttatgtgt 300
 aggaaaaaga tggccacaac ctactggatc attaatactt tggcaaatac aattttcaac 360
 gtgcaattta gcagctagcc ctactgaat aagaaatagc tactttgtgt tcataaagga 420
 tgaggaatgt tt 432

<210> 10995
 <211> 392
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127f01a1

<400> 10995

aggtagcgga gatcctagca ctctcttctg cagctttcgc cgacagcttc attcaccatg 60
 gctgagcaaa ccgagaaggc ttttttgaaa caaccaaag tgtttctcag ctgaagaaa 120
 actgggaagg gaaagagacc cggaaaggga gggaaccgct tttggaatc cattgggctt 180
 ggatttaaga ctcccaggga agccatcgaa ggaacctaca ttgacaagaa gtgccccctc 240
 actggcaatg tttccatccg aggccgtatc ttggctggaa catgtcacag agctaagatg 300
 aacaggacta ttattggtag gaggaattat ctccatttta tcaagaagta ccagaggtag 360
 gagaaaaggc actccaacat tctgctcat at 392

<210> 10996
 <211> 62
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127f02a1

<400> 10996

ctgaagccca tgattctagt aacaccattt caaatgatat gggaagtaac tctagcaatt 60
 tt 62

<210> 10997
 <211> 542
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127f02d1

00220"EFFE50

<400> 10997

caaaacaatg cccctccagc ttcctttaa cttcaacaca agaaggacaa gcacaaaatg 60
gtatcttcat gccattcatg catcaaataa aaataacaaa accgcaattg cactggctgt 120
cagctgaagg ctttgtatac tccaaaggcc aaaccaacaa aattttgtta atcaaccatc 180
gtcatccaca gcaccaacat atgtgaggtc cgtccgtctc acccttacag cccctttaag 240
ccagctggtg gctcgaatat tagcatggtc accacttctt atgctagcag tattacctgc 300
cgaagagtaa gatccagtac catcttctaa gagtgtccaa ggatctatct ccaaatacatt 360
gtcctgttgt ttgtatttcc ctgatgcatt agaagcaacc cttgatagaa ctgggttctt 420
ctgaggaata gttgaactac tggagttaga cccaggattt gtaatgctgg gttgaaggca 480
aacaagagcg gaattggaaa tagatggtgg ctggcaggat aaagagcacc gcataaaggg 540
ga 542

<210> 10998

<211> 376

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127f03a1

<400> 10998

cacaactctg ctaccctttt ctctctctct cggatttctt gcgcggttta tcatggggga 60
tagtcagtat tcgttttctc tcaccacatt tagcccttct ggaaagcttg ttcagattga 120
gcatgctttg acggctgtcg ggtctggaca aacgtctttg ggaattaaag ctgcaaatgg 180
agttgtcatt gctaccgaga agaaattgcc atctatattg gttgatgaag catcagtcca 240
gaaaattcag ttattaacac caaatatagg agtcgtatat agtggcatgg gtcctgattt 300
tcgagttttg gttcggaaaa tcaagaaaca agccgagcag tatcaccggt tatataaaga 360
accaattcct gtcact 376

<210> 10999

<211> 531

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127f03d1

<400> 10999

cgcagtgcaa ttaataatgc attgaactta actggaaata taaaaataac agagataagg 60
 aacaatcaga ttctaaaagg gtgaaaataa taaattagca atagtcatta agtcattccg 120
 caccgtctaa acaaactagg tttgtttgaa aatgttgatg acttttgaaa aggggtttatc 180
 tgaaggcttg ctgggtcatca caacgagtag ctgcgaaatt cactattgcc atcacaatgt 240
 caataattaa gctaccaatt aaacccaact gtgaaacaaa caacttcagg aacacaagag 300
 ttcttcattg cagattattc tacttcagcc aaatagtcgt caatttcagc tgggtgtcaat 360
 accctgaact ttttatcagc tccaattatg ccaatttcaa tgttttttcc tgagatctgt 420
 ccctcaaacc ctctcttcag agtcaatatt gctgtgtgga ctgcatcatc aagctccata 480
 tcattctgtgt acctcttctc agaaacgtct ttgcattaga acatttttcc c 531

<210> 11000

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220127f04a1

<400> 11000

gaataattca gactgcaaca tcgagaacga gctagggttt cctcgaaagt agatagcacc 60
 ttgcctcaag tgaagattca gatgtgagag aagctgcctt tcgaggcctt ctccagcttg 120
 ctcaaatgc gaatgatggc aaggatggca atgagaaaga cagagcgaac ataaagcaac 180
 ttcttcaaga acgaataaac aacatcagtt taatgtcagc tgaggacctt ggagtagtca 240
 gggaggagag gcaacttgag gactccctga ggagaacttg cttcaacgag ccgtcttctc 300
 ttcgagagaa aggtcttcta gtgcttccgg ggganagacg agccccctnc agatgttgct 360
 agcaaatatt ttgagcc 377

<210> 11001

<211> 474

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127f04d1

caatcactaa tttattgact acaacaagga tagttaggga agtttaactt aattttacac 240
ctttcagccg tacaagactt gattgtatac aaagaagact caatatgatg gatggaaaca 300
atctcattag gaacggaact tgaggctcac tgattcatag cttggaacat agagaacatc 360
tccatatgat gccattgtga gaggggaaga aatgagtttt tgcgaaattg aagtgatatc 420
ctttgaggtt acttcatcca ctgccttcaa gaaatcctcc acagggtttcc tctcaccata 480
tgtcaaaatt tgtcttctcta tatcttctga aacaaccatt cttga 525

<210> 11004
<211> 352
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220127f06a1
<400> 11004

agctgaagta attgaaccaa agaagaatga ttcaaaggct aaaaaagcag ctgataagaa 60
agtgccaaag catgttaggg agatgcaaga agcactagct cgaagacaag aagctgaaga 120
aaggaagaaa agagaagagg aggaaagggtt aaggaaggag gaagaggagc gacgtaagca 180
agaggaactt gagagacaag cagaagaagc tagacgtaga atgaaggaaa gagaaatgga 240
aaaactccag aaaaaaagc aagaaggtaa actgttaact gagaagcaga aagaagaagc 300
ccgtcgtcta gaggcaatga agaagcagat tctcaataac acagggggca tg 352

<210> 11005
<211> 422
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220127f06d1
<400> 11005

cagggtccac gtggcttatt gaacctttgc cattaatacc aattttccata accaaatgct 60
tggtaggaaa caccaaaagg atacatagcc cgcgaaaaat aaagtgcctc tcagctacaa 120
atggaaaaaa tttgtacaat aatacactag gaaacaaaa gtgaacaact ttttagtcaa 180
atcaattact tccgtaaaat tttgcttttc ctactgaat tgcatttaga acccttattt 240
gcttccatgt atgccacaga tatgtatata tggggtagta attcacaatt ttgaccttgc 300

ctgtttccct ttccgcacct tttttacctg cgcttctcag ctgacaaaga attggagttt 360
 cgtctgttaa gttacttttg ccttttcatg acacagccat ctatctgaat cattgcatca 420
 tc 422

<210> 11006
 <211> 315
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127f07a1

<400> 11006

tttagactag gagagagtgg gtgaaaccga aaccctaact aatattgaag aagaagatga 60
 gcattcgaag gttgagtggc gaagaatcgc aaacacttta ctctctctc agagcagagc 120
 agcgtccact ccatgagatc ctctcccaat tcaactccgc aatcccttcc tctcgccatt 180
 tcactctctc ttcctatctc ctcatcctat tgcaggacaa taaggcgctc agcaccactg 240
 atcgggttaat agcttttgct ctgctagtag aagcttattc atcccagaaa cgggcttcaa 300
 atcccttcat aagct 315

<210> 11007
 <211> 405
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127f07d1

<400> 11007

aggggggggaa ttcaattaca ttctaaattc tctattctca catttttgaa catttcataa 60
 tataaccggt tacaattaaa tgcaaatgac atgctataat cttgatttat tggccacaat 120
 tagaaaatga gtacataacg ctacctagct ctagggagat acatatctac agaaagtctt 180
 gaaataggac agcaaagagg agaaaattga cagactaaaa caacaatcat tccaatgact 240
 tgagcagcct aaataacgca gctgcctttc taatacgtga aaactcgatg caaaacgctt 300
 gaacttcaat gaagagaact ttaacattaa taatattggt ccgaatgaga ctttgcaaaa 360
 aaacacagac aagtcttaca agcctggtct gcatggattt atcct 405

<210> 11008

<211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127f08a1

<400> 11008

gtaactgtta caggtagatt cggatactga gagttttctg cttcctggat tgcccatgt 60
 attgaagatg acgcgtttgc agttaccgga ttggcttaga gcaccgacag gttatactta 120
 tttgatgaac atgatgaaag actcggagag aaagagctat ggatcgctgt taatactttt 180
 tatgagcttg atggagatta tgaggagcat tacatgaaag ccatgggaac tt 232

<210> 11009
 <211> 383
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127f08d1

<400> 11009

ggggaaaagc caaaaaacaa aaatttcccc aattttgggg cccctataa ccccggtccc 60
 cgaaagaagg gccccgggc aaaatctttc aaaatatggg gcccccccc ttttttttaa 120
 cccaaaacct accaaccctt aaaatttttt ttttttaaag ggggaccaa ttccggggga 180
 caaaccttt attttcccc ctttttttga agggggggtg cccctatta aaaaaaacg 240
 ggccttttcc cgaaatgaga ggaaattccc ccaaagggg gcccaacttt tggggggggc 300
 ctttcccagt ttgggggacc tccaccccg gaacagtttt ttaaaaatgg tggaaaaaga 360
 ccccccccc caaaaagggtt ttt 383

<210> 11010
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220127f09a1

<400> 11010

cagcaciaag cagggttact agtctagttc aagctaccat ctctctctct ctttcttaga 60
 gcctccttgc cagaagttaa aatggcccaa gaaactttcc tattcacatc tgaatcagag 120

aacgaggggc accctgacaa gctctgagac cagatctccg atgctgagct cgatgcatgc 180
 taggagcaag accctgacag caaggtagcc tgtgaaacct gcaccatgac caacatggcg 240
 atggttttcg gagagatcac aaccaaagcc aacgaggact atgagaagat tgagcgagac 300
 acatgcagga acataggntt agtctctgaa gatgtaggtc ttgatgctga caactgcaag 360
 gtcctcagca acattgagca aca 383

<210> 11011
 <211> 521
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127f09d1

<400> 11011

agtaaaattg tatactctct ataatttgag attattacat atttctagca taaatcttga 60
 gagaacattt ttttttgttt catcatataa aatatatatg ttctgaaaga acacatacaa 120
 gtacacaaaa aaaaggggga aattcataaa aaaatacaga aaaaaaaaaa cagaattgag 180
 taagagggaa ggaaacatag agaaaatttt agcaatcaga taataagaag ccagtagtag 240
 tgcaaaagtc ccttgccaag agtgttggaa ccccttttag ttaagcaggt accttctccc 300
 ccttgagtgg cttcaccact tcccatgtga agtcagggtc atctctgcca aagtgtccat 360
 atgcagcagt cttcaagaac ctgccatttc caccctctt gagatcaagg ttgatggaga 420
 tcatgccagg cctgaagtca aaactctcct tcacaatgct gaggatttcc ttgtcaggga 480
 tcttcccagt gccataagt tcaacaaaca cagacaaggg c 521

<210> 11012
 <211> 314
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220127f10a1

<400> 11012

agcacgaagt agcaatctta atctttcaca aagtattttt ttaaagttgt ctgaccagca 60
 agatcccaaa aactactttt tcattccatt tctcgtcctt ccttctcacc atctcccaca 120

<210> 11015
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127f12a1

<400> 11015

cgtaacttca tctgggtttc atgaaaaaag attaaggaat acaatggggtt ccgataatca 60
 ccagaacttg gagttcttga aggagatcgg tttgggctct tccaacattg gctcttacat 120
 taaaggccag aggaaagcca ctggttcttc tgtcacttct gttaatcctt ctaacaatca 180
 gagtatagct caagagaccg aagcaacttt gcaagatttt gaggggggt tgcgtgcttg 240
 cagagaagca gctaagacat ggatgactat accggcacccg 280

<210> 11016
 <211> 309
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127f12d1

<400> 11016

gggttggggc ggaaaaaaa tcccaccttc ttcatttaac ctttcttcaa aaagttctac 60
 ttctttgaaa ctgacatgca tagggggcca atcttacctt acacctagta ttgaaaaaca 120
 acacttgcaa ccctcaagtt tccccactaa cattcgtggc tattttttaac gaccctctaa 180
 actgtaaaat ctcatatttt tatgcaacct gaccttccta aaaagatttt tacccaaaga 240
 ttatcccctt atcaaacggg ggcgaactgc cacaatgcaa tggaacttgc aaccgccctt 300
 tttttgggt 309

<210> 11017
 <211> 241
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220127g01a1

<400> 11017

ctaccaacca gtcctcatta cacaacaaaa ctgagggttag gttgtttaac acagtaagag 60

aagaacttag attagttttg tatcactttt ctcaaccgag gaagccctag tataatatca 120
 ctgtaaactg tatggagttt ctctgaatac acttgcgntt atttatgatg agagttcttg 180
 aaactacttg ctattgaata ttattagttt tcttgttttt cctatcttag aaaagctttc 240
 t 241

<210> 11018
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220127g02a1

<400> 11018
 agaaaaagca gagaaactca tgttgactca tcacaattcc cttaaccttc cctctaatat 60
 tcctcttctg cattctaaca cgctacatc gtttctgcta ccgaatggaa actaagttgt 120
 gaaatcatgg gcatattcag atgagggggc ttgtttttct atgtgctcct tttgtttaga 180
 acctgcctgg ccaaagatca acatgttagt cagatatatc ctggcttcag tgcattctcag 240
 ccagatagga gcgaccataa aggttttttc ttgctatcca acagctcggc gttcgcttta 300
 gggttcttca ccactctaga tgtttcatcg nttgttctag ttggcatgca cttaaagcagc 360
 taaaaagtag gnttggactg ccaacagagg cttacttggg gggacttctg ataatttgtg 420
 cttgaccgng atgggaatgc a 441

<210> 11019
 <211> 423
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220127g02d1

<400> 11019
 gggaaacccc ccttttattg gaattaaacc taaaaaaagg ccttttgcct gaatcattta 60
 gctacttggg cttgggcccc tcttgggcct gaaaattgaa cccatgacat ggggccctta 120
 ctaaaaaaac taccgccggc ccaagaaaaa gtttcccccc tccccattt catgaaagct 180
 gaataagccc cccattggga taatgggggg ggatcagggt ccgggcacaa accatcaagc 240

atttgggctt ccttagtcat gggagggccc aaactcacct tattttgttt gccccaaaa 300
 gcaactttta aagcagcccc aaccctttta ttcttttaaa aaaaaattat ttttgaaca 360
 agaacccttt ttaggttccc ttcttccatc attttgaaca cataaaaagg aaaaagcgcc 420
 ttt 423

<210> 11020
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127g03a1

<400> 11020

cagagagcaa cttttatatt catgattgca gtttaaattc acctatgttt gggtatataa 60
 ttctttccca tgattttatt catgtaaata aattgaagaa tttgtttact agctttgggg 120
 gctttatcat agtacgttct atttatattt tcagtaatga tattgatgaa atttgggtatt 180
 tttttattta ttattattat atataatata atttttttta atatattttt ttttaatttt 240
 tg 242

<210> 11021
 <211> 180
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127g03d1

<400> 11021

aaaccaaatt tcatcaattt cattactgaa aaatataata gaacgtcctt tgataaagcc 60
 cccaaagcta gtaaacaat tttttaattt atttacctga ataaaatcat gggaaagaat 120
 tttttaaccc aacctggggg aatttaaact gcgatcatga atataaaagt tggtcactgg 180

<210> 11022
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220127g04a1

<400> 11022

acttctaccc caagcacacg caatggagcc gtagacagtc aagtaaaatc caatccacga 120
aatcatttga tctatggaca gcatcggtga ggtaaagagc cgaatgccag aggaatcatt 180
accgcagggc atagaggggg aggtcataag cgtctatacc gtaaaattga ttttcgacgg 240
aatgaaaaaa acatatatgg tagaatcgta accatagaat atgaccctaa tcgaaatgca 300
tacatttgtc tcatacacta tggggatgga gagaaaaaat atattttaca cc 352

<210> 11025
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127g06a1

<400> 11025

ccccaatctt cactgaaccg caccgcttcc atttcaagag cgttcgttca ctacttgctc 60
tcagttccca acaaaccat cgctctcgtc gacgatttcc tcacactagt ttaaacctct 120
ctcccactct ccgccccaaa actcactatt ctccaggctc cgcagaatcg ctacaaaagg 180
taaaaaatat atatacgtag ccgctaattt tctgcatttg ctttgaattc agct 234

<210> 11026
<211> 454
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127g06d1

<400> 11026

tttttttttt tttttttttt tttttttttt tttttctatt ttttttttgg ttttttttgg 60
tttttttttt ttttttttct tttttttttt taattttttt ttttttcttt tgggaaacaa 120
aatccccccc ctttccttta aataaaaaaa aatctcccca aaaaaaaat tttaaagtgt 180
ttttttcccg gaaaaaaaaa aattttcggt ttggaccccc catatattta ccccccccc 240
cttttggggc gcctgggggc ttttttaaaa aaaaaaccct cccccgggg aggcacaccc 300
tacacacctg ggggggatta aaaaactcct tgcaaaaaaa aaaccgggg aaaaaaacc 360
cccttccttt tttaaaaaac atggcccctc cttgggggaa tagttttccc aaagggggaa 420
aacccttac cgcaaaagtc ggtttttttt cccc 454

[illegible]

<400> 11027

<210>	11028
<211>	227
<212>	DNA
<213>	Glycine max

<400>	11028
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<210>	11029
<211>	257
<212>	DNA
<213>	Glycine max

<400> 11029

5054

gacatcacca tcaacttccgt tggttacaaa ctttcaccac cttctctctt ctcttcttct 180
 cttccacttc agccattacc aatctcgccc cacatcccag aggaggggca gagaagcagc 240
 ttaaccagga agagaag 257

<210> 11030
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127g08d1
 <400> 11030

aaaagccgag aaaggggttaa aatattttcc ttccggaaat ccccccgaa catatttctt 60
 acattcccaa cactcctttg gtggctgacc atccctcaaa gggtaaccc aaaaatcaat 120
 acactttaaa cttcaatttt tctataaaca taggacttaa aaacatccca acctcaggaa 180
 cattaatcag ggcatgaagg gctctaattc tgggattaaa aaaaaaaaag acagcccaaa 240
 gggggaaaact ttaagagggg ggggtgctgt taatacaaaa aatggtcacc ttttagggtc 300
 cggcaaaaac aacgaacggg gtcttttttt tgctccgggc tttttttata tgctaccttt 360
 attattaatt aaaggccgc aataaaaagc ttgttcccc 400

<210> 11031
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127g09a1
 <400> 11031

agagccagca ggggcatcaa caacaaaatg ttagtagca aacatctagc tttccagcct 60
 gtaaaaaaca gccttgttta gtacctctca acaagttgtc ttaaataata ctgaagatat 120
 gtcggcaaca attctggcac cacctaaact agacagacat aaagattctg cagctctgga 180
 cttccatctc cattgagaaa accataactg tattgctgac aacatgaagc atcagctgcc 240
 acctgatcat gaagctgaat ctataaagaa a 271

<210> 11032
 <211> 494

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127g09d1

<400> 11032

gaggaaaaag taacttaa at tacagtaagt tatccgagca tcaatcggca taacaatctc 60
tttccacata aattgattca ggttccaaat gaacaagttg gaataaccag ggtctttata 120
cattaacaca acacacagaa taattcccaa attctacatg aagactcctc aacctttttt 180
cgcatatccc catcattatg ccattgtggc caatgctctg aatcagctat ctgttggttg 240
ctcacttgca ttttcgtag aggtctgtcg cacaaattgt ccacgaaatc gaggtcgttg 300
ttcagcta at ctctttctgc tctgatatcg aaccttttta tgaaagcacc tctcccttct 360
ctcttttctc ttttggcgaa atttagttaa ggccacttcc ctttgagaag tcttggtttg 420
atctactctg ttggcacttc cacttcact agcatcacca ctgccactat tcccagtgag 480
tccattggtg cttt 494

<210> 11033
<211> 320
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127g10a1

<400> 11033

gaaaagggct ataacttcga gcaa atcgaa actctctctc tggaggtaac atagaccctt 60
atcatccctt gacacctctc ttctaaaaaa tacgctcttg cccagtgaca ggcagacagc 120
agagctaggt gctaaaaggt cgaagatgta tatgaacca acccaa atga aataaacgcc 180
gtttttgtgt tcaggcaatt ggaattgtc accccatttg gcaagtagaa ttttttccac 240
aaagaa atga caaattccgc tggttccaaa gttctgaatg acaatgcaac aagcacattt 300
ttaattccta cttctgaata 320

<210> 11034
<211> 482
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127g10d1

<400> 11034

gaaccagtaa attcaactgt attaaacatt ccaaattatt aacctcagtg taaaaagaat 60
 tcgttatgtt tgtcaatgta caaaaggaag ccaagccatt tcataagaaa gagggattta 120
 gaattgatac aagcaaggac aatgcttgca ggattctaaa gtctatagtt tttcatctat 180
 ctaactgtga cacaagatat ttatctagct tgaaaccaga catctcagct tccttgcaga 240
 gctctttgca ctttgctatc ctcccagagg ccatgtagat atgaagcatg tccttgtaca 300
 agccaaaaga gggagaaaat ccaccctctt taagttttga aaaatatctc gtggccctag 360
 atagatcatt caaagcaaca aacagtttta ttaccacgca ataagctgga aggtcaaaaa 420
 gacaatttga agactccatt tcccaaacta cagccaaggc ctttttggtt ttttttttg 480
 gg 482

<210> 11035

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220127g11a1

<400> 11035

ccacccttca ataggcggag atcaagcacg cccgtcttgc catggagggc ttctagggct 60
 ttgcagtcca agccgccgcc accggcaagg gcccgctcaa caactgggcc acccacttga 120
 gtgaccact ccacacaacc atcattgaca ccttctcatc ctctcttaa gaagaagagt 180
 ctttcttgag cctcgtcact attactagca tattagaaaa gtcttttctt cttcggcttt 240
 aggttagaat tagaacattt tcacttagtt ggattagtag tacttgtgaa aaacttgtaa 300
 cgagaaattg gagaagctaa gcagaaatgc ttctgctaga tggtaagcgt tctcctgtaa 360
 atggnatta tgcacggaat cgagatggaa tgacgatggt 400

<210> 11036

<211> 408

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220127g11d1

<400> 11036
 accctcgga ttcctcttg attccgtgcg tggtaaaca ttacaggaga acacttaaca 60
 tcaagcagaa gcatttctgc ttagcctctc caatttcacc gttacaagggt ttttcacaag 120
 tactactaat ccaactaagt gaaaatgttc taattacaac caaaagccga agaagaaaag 180
 acttttaciaa tatgcttgta atagtgcga ggcacaagaa agactcttct ttttaagagg 240
 aggatgagaa ggtgtcaatg atgggtgtgt ggagtgggtc actcaagggg gtggcccaat 300
 tgttgagcgg gcccttgccg gtggcgccgg cttggactgc aaagcccaaa aagcccacca 360
 tggcaagacg ggcgtgcttg atctccgcca attgaagggt ggcttgag 408

<210> 11037
 <211> 331
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127g12a1
 <400> 11037

ctagccaaat taggattagg attagggcta ccaataccaa taccaatacc aattctattc 60
 tatggcttag ctcaagcgcc caaatacacg gtctcggaac cccttctctc cgaaccctat 120
 ttttaggtca gaggtctaat accaaggccg cctttatcaa gctcaagtcc acacctagaa 180
 gactccgccc tctcagagtg gctaatagaa aagtcgcccgg tatcgattag ggaaccacca 240
 actccgcccga ggctgccatg gaaagcggca tgcccactat catcaccaac gccgagggcc 300
 agagaaccac gccctccggc gaggcctaca c 331

<210> 11038
 <211> 526
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127g12d1
 <400> 11038

cgaacctatg aaatccgtgt ctaatatctg aaggaaacac gcacccactc tggattgaca 60
 aaaattatta agaatttgga acagaagaaa acatataatg ggggaaaaaa tactaacata 120
 tacctctcta ttggtaataa ctagtgcct gctcatttag agtcagtga atctgcatca 180

atgacatcac cgtcgggtcc cttgcctgag gattctgagg ggccagagtc ggcaccgggt 240
 ggtggtggtg gccctcctgc gcctgcagct cctgggttgg tgtaaaggga ctgaccaagc 300
 tgcattgactt cctgatttag tgcagccatg gcattcctga tagcttgggt tgaacccccca 360
 gaaatggcgt ctttaagctc tcctagtttt gcttcaacct tctctttcac agggccagga 420
 acctgtgttc caagctcttt caattgcttt tctgtctggg ataccacaga gtctgcctgt 480
 ttctttgtgt caatagcatc cctcttctct ttgtcttctc tcgaaa 526

<210> 11039
 <211> 367
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127h01a1

<400> 11039
 gggtaaaaga acagaggcga aaaaccttga gcggagttga agctatggga agcagattgg 60
 gaagaagagt ggagcagttc gcgaacctcc ccataaagct tctgatgccg aacagcttca 120
 ccaacatcca cgaaatcgct ctcaagacca ttccttcggc cacgaagatc gagatcaagc 180
 gcgtccttca atccctctac ggcttcgatg tcgataaggt ccgaacgctc aacatggagg 240
 gcaagaagaa gaagcgtgga ggcttggtga ttgcaaaacc cgactacaaa aaagcctacg 300
 tcacctcaa aacctctctc tccatttccc cggatctcta cccgatccga atcatcgatg 360
 aggacaa 367

<210> 11040
 <211> 462
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127h02d1

<400> 11040
 acattgcaac caaggaatgt atatataata aaaataacaa aatcgcccat aacgtacata 60
 tacaccagat acaaattttt caagacgtat gatattgcaa atgacttaaa cttctacaca 120
 agaacgaaca aaatgctata atgaattccc aactgccac acagttcaaa gttattgcat 180
 accaataatt tcaagaacct ttattaactt acactttcaa agggattggc acaacaatat 240

tatatgctaa taaatataat aatcttaaga tgatgaagca ggtttggaag atgggttgaa 300
 aggaacctgc tcagcgcag taaggatgtc atggggccca gcctgttctc gaccaacacc 360
 aagaagggtca agataatata ggtaatggga aacaatattg ttcattgagt ccacatcacc 420
 ttgtccacaa acaccatccc catagagaat gttcattgta gt 462

<210> 11041
 <211> 493
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220127h03a1
 <400> 11041

ctctcctcta tccttcgagc ccacagtcaa taatgtctct tccaactcca tcgctcccc 60
 ttctccgttg catccatttt cagcattcca atccattaaa aatagaaagc caaaacccca 120
 tcatattcct agaatcacat gcagaggaaa ccaaaacaat ccaacaccaa accctaattc 180
 ccaggggagaa cctccacata ttgtaggaca taggaggaac gttctacttg gcctaagagg 240
 gctttgagga gctgttactc ttaacaacaa caaccctttt gcctttgcag ctccaatatc 300
 tcctcctgac ctaaacacgt gcggtccacc agacctacc gcagagagaa aaccaccaa 360
 ttgttgcccc ccattttcca aaatcataga tttcaagttc tctcctcta accaaccctt 420
 gaggagaaga ccagccgcac attaggncaa cgatgagtat ctagccaaat acaaaaaagc 480
 ccttgacctc atg 493

<210> 11042
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220127h03d1
 <400> 11042

aatacataat caattatttt attaataag tattaaatga atcagcatat gataggaaat 60
 acataatatc tctttatgag ttacacactt tattggaaac tagtaaccat atatgtatta 120
 ccacacacac atatataagt ggttgaagca tatagataat tttcaatccg aaagaagctc 180
 tattttgatg cctctgattt taacacgccc tttcccatat ttgggaacca gcgtcacctc 240

cgtgatccag agcaagagct ccttggtctt aaccccggtg agtttggtaa ttttaccttg 420
 ttggacatga gcagttacct cgggcgcgta agagacaagc tt 462

<210> 11045
 <211> 412
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127h05a1

<400> 11045

tgagttagca agacttatat gtatgtgttc aatcttgcag cccaaacaag aatttatcca 60
 aggccggaga cgatatggtg gttgcgagct gttggtgttc atcttcatct tcatggctgc 120
 cactgtcatt gccactgcat tcgaacttga aggcagcatc aacgtcactg tccccgaaat 180
 ggaaatatca cgcattttct gaagcctcct cctcctcgtg ttctctcgtt cacaacaacc 240
 atgacgacga ccttcaagct ctcttacaga tccttccatc tgatttgcac cacaatctcc 300
 tcaatcaacc taaccgccct caacttctag atgttatttt ggatttgagg cgttttccag 360
 attcgcgtta tctaggaaaa cacggaggcc attctttaag gaacactgag ct 412

<210> 11046
 <211> 542
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127h05d1

<400> 11046

atcagcagga gatatacatg tgtgtgtgtg tgtgaaaaaa aaatggaaga aattattaga 60
 aggggactca tgttgaataa taaatatccc taataattta gttttttacg gtgtttgatg 120
 tggtcgctg atccatataa ctaattgcac ctagtgggat aagtaagact attgttacta 180
 tcatagtaat atatgctcaa ttaacatacc tgatgtgtaa gccagtagtg tctatctctc 240
 atctcaatta agaaatcaaa tgttggaggt gctttcctct caagaattgt cttctgagaa 300
 tttctggctc tggcttctgc atctcccaga gtaacacttt ctattccgcc aatctaataa 360
 agcaaatgga ggtgaatctt gaatattact gttgattata ttgcacaatg attcatggct 420
 ccacaaatca agtaaactctt taaatcttta acatcaaata ttaatctact aaatgcttat 480

tgaactgaat gggatgata atttttcagg atacttttga aaattaaaac gtcaatgaaa 540

ac 542

<210> 11047
<211> 365
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127h06a1

<400> 11047

taggaggggt agtgagaggt gttgacttca cattgacgat cctttttttt tctgtctgt 60

ttgcttccaa tttctcatat cttcaatctt caatcttgga agataggaga acagcataga 120

ttgagtttta ccacacgata gtagagcttc tgatattttt cgaagaggaa aggcaaaaga 180

gttagcattt aagatgggaa aaacaattga gttgtatgga ttcctacat ctgagaatgt 240

gtctgatgta aagacatttg tagtgcagta tactggtgaa tgaactgtgt tcgccattaa 300

attaagacat ggaaaaagtc ggggtccaag agcatttgca attattcaat tcaccaccgc 360

aaatt 365

<210> 11048
<211> 359
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127h06d1

<400> 11048

accattcaa aatttttatt ttttaatttta aaaaaagcag gggaatggaa gtgccccccc 60

ttattccttg agagaaaagg gatataattca ctcatacctg ttatataggg acattaccat 120

agaacatacc tgcgttggtc ctataaaaat ataaacaagc tgcctgggtc aaaaatccaa 180

ctggaaaatg gggggggcaa agtccaaagt tggcaactca aacgcaaccc actgaaactg 240

ttttccaaag aggacctttt aatgctgagt ttcttttttt tgatttggac aaaaagaggg 300

taaaccccc ctgggaaact tagataaggg ccccttttca tgcctttatt atagcaacc 359

<210> 11049
<211> 205
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127h07d1

<400> 11049

aaaaagaaaa attggacttt ttcaattata acatctgcga acattcattc caattcaaaa 60
tattgcgcct cactgaattt aagcaacatc ccatatattc cttttcgcct agtttttagcg 120
gcttcttcag ccattccctt gagatattgc ttaaattcag ggaggcccaa tattttgaat 180
tataacatct gcgaacattc attcc 205

<210> 11050

<211> 364

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127h08a1

<400> 11050

ggagttttaga ttttcgtccc aaaatttcct gagtggtagc ctgagagcta acatattact 60
ttcataccaa ctcaaccaat ttatcttctt ctttaattca actacaaaaa ctggttcgcy 120
gggaaaactt gattctcggtt atttgacata acatattagt aatccttcag gggacatatg 180
aatttatatga taaaatacaa gcatgtaata tgagaaatag aagcatgtaa tatttgattt 240
acttcaatct ccttagaaac tttgaaatta ttcaatttac ggcatttctg gttaaattcg 300
tttagtatta taagtgcacc tgtacaactt aagtgtgaaa ttggctgcac tatatataat 360
atga 364

<210> 11051

<211> 546

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127h08d1

<400> 11051

ctcgtgttca agctgcaagc accagcactt tgatggtgcc ttgactattt gctgttagaa 60
tagtggggcg atcactcttc cagcaaacag cgctgatgaa atatgatcca gcctcatctt 120
cagcgtcatc catatcaggg gacccaaatc tgtgcgaagt caaaggcttc gagatttcct 180

tgtggtaaac aaagacttca tttgtttcac tgccacacgc aatatattca ctgcttactg 240
 taagaccaac aaagtttttc tcatttgcac ggcctttgaa agtacgaact ggtaagtttt 300
 ccttcacatc ccataatcgc agtgtactat ctgttgatgc agaagcaagt tcatcattag 360
 acagaaattht cacgtatgaa acagccttcc tgtgcccact gaaaacatgg actggacggc 420
 taatattttct caaatcataa taatggatat gatggctctgc tgacccaact gcaatataat 480
 tgccagatcc aggattatat ttgacacaac atatgtttgc tttcatgtct atatttagaa 540
 cactag 546

<210> 11052
 <211> 325
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127h09a1
 <400> 11052

agtattttccc tacctctccc ttcaagaagc agatcttcgt caagaccctc accggcaaga 60
 ccatcaccct tgagagagga aagctctgac accatcgaca acgtcaagag ccaagatcca 120
 ggacaaggaa ggaatcccc cggaccagca acgtctcatt ttcgccggaa agcaacttgt 180
 ggacggccgt acccttgctg actacaacat tcagaagggtg attgctcttc acctagtcct 240
 ccgtctccga ggaggcatgc agatcttctt gaagacactc accggcaaga ccataaccct 300
 agatgtagaa agctccgaca ccac 325

<210> 11053
 <211> 481
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127h09d1
 <400> 11053

caacacaaac cgaacttatt ttcaaggac attattacag acccattaaa catcaaagtt 60
 cttcaaagtgt tttgggaaca catccaacat tacacaacga gcttaaaacc cccacaggag 120
 acggaggaca aggtgaaggg ttgattcctt ctggatgttg tagtcagcga gggtccttcc 180
 atcctcgagc tgcttgccag caaaaatcac cctctgctgg tccgggggga tgccttcctt 240

gtcctgaatc ttggccttca cattgacaat ggggtcagag ctctccacct cgagggtaat 300
 agtcttaccc gtaagagtct tcacgaaaat ctgcatacca ccacgaagac gcaacaccaa 360
 gtggagagtt gactccttct ggatgttgta gtcagcaagg gtgcgtccgt cctcgagctg 420
 cttcccggcg aagatcagcc tctgctggte tggggggatt cctccttgt cctgaatctt 480
 a 481

<210> 11054
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127h10a1

<400> 11054

catccgcagc tgcttttatt cgcaccgcaa acagagagcc atggccgtcg gaaagaacaa 60
 gcgcatctcc aaggggaaga aggggtggcaa gatgaaggca gctgatccct ttgccaagaa 120
 agataggtat gacattaagg ctcttctgt ttttcaagtg aaaaatgttg gcaaaaccct 180
 cgtctctcgt actcagggtta ccaagattgc ttctgaagga ctcaagcata gagtgtttga 240
 ggtctccttg gctgatcttc aaagggatga ggatcatgca ttcaa 285

<210> 11055
 <211> 490
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127h10d1

<400> 11055

ggggtctaaa caaaaccag atatatatta cgcacaaaaa atgtcttctc gttgtctaaa 60
 caaaactgtc actcagctta cacagaaaca tttgacagaa cagtaagttt gtaacttaaa 120
 ttttcaatgg taacataaga aacagaaaac ctagaacaat ttgaatatgc attatcacta 180
 aatcaagctc caacaatttc aggggggttc tctgccacta tttcatcagc agggctgtct 240
 acctttgcac caacatcctc ggagtaatct ccatgaacct ccatcagttt cccaagatca 300
 aacttaggag ctttcaggat cttgacttta cgaacaaaca cattctgcag agggtaaata 360
 ctagatgttg ccttctcgat ctcttttcca ataatctcag gaataaactt ccggaccaac 420

tccttcaa at cacatgctgt tgcttgggtg gtcattgatct cctcatctt tctacgaatc 480
tgtcta atct 490

<210> 11056
<211> 348
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220127h11a1

<400> 11056

gagatagcaa catccttgct cacacccata tcaggaaaag aagaaaatat cacattattc 60
tctctctctc tctctctcac acacacacac acactacgta tgaaatcccc gtagccagaa 120
tcgtctccct tccaaccaga caacaaacgc caccctcaca ctctcaatta ttctcacatt 180
ttgatttggt tatatattat tcccttttca agactctcaa tatcatatct tctacttgaa 240
gcaaagtttc cttcttgga gatatggaga atccaggatt gttttctgcg aataagtctg 300
agaattcggg gaaagtaagc tttcggatac cggattttac ccaatggg 348

<210> 11057
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220127h11d1

<400> 11057

nnnttagcta ctacgatcta acaaatacgt cagcccact ctagctgcac cttttattaa 60
aataccaata ttttaattcat tacaagtacc aggtagggtt taacctatct ttaacaaata 120
tatcttttta atcaaggacc aacttacagt cgctctgaat gaaattcaca acgaacgcct 180
ctttaatgtc ataaaaactt gttccattat cagtgaatga tttgaggtaa acaagaacat 240
tacatcataa ggtaactttc ttctctccac taatgaactc atcacccaac tttattttaa 300
caacatgttt tgcttccaaa aacattgaaa atgtgcctat ttaaaaacaa atttcaaata 360
aaaacactaa aacttcttag cattctatta aagaaca 397

<210> 11058
<211> 282

ttttgttgaa tcgttaatat cagatggcag atctgtcttg attcactctt atgccctgtg 300
 tctttttcgt tgcaagccct attctactac tccttgatgt catcatgctc ttactcgata 360
 gtcgaatcaa cacaacaata gtgat 385

<210> 11063
 <211> 99
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220128a02d1
 <400> 11063

ataacgattg ttaaaccat attaatggct ttcattggaa ctgcctacga cttcaataga 60
 tatacataag actagaaaga ttgaaagctt gtcattagg 99

<210> 11064
 <211> 580
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220128a03a1
 <400> 11064

acttgcttca cttaatgtgt ctgaaattag gtactacata gatgtgtggt caattttata 60
 gtctttgtgc attccttagg tttgttaggt gcccggtacg agtatgatag tcatcagttt 120
 taaagtgtcc atgcctctat taatcaggaa acatcgctta cgaggatatt tgaagttaca 180
 tgcttggcct ccattccatg ttttcatcac ttaagattct caattttctt gttaatttac 240
 tttttggggg tctgatatgc aggaccaact taaagcttcc ttggaggcct ctaatttcaa 300
 tcgatggaag cacagcttat gaattaaatg aagattacaa aattgttaga catgttgaga 360
 gttggaacat ttctgcagtt gaagcagttt tgcagatttt ctctttaag tctaaaaatc 420
 caggtggttg agacatcgag tgtcatgaaa ttatccatgt gtcactctct gttggcactt 480
 tcaaacggag tctactcgact ctagtctctc caccaagcat atagctacac agagaagcca 540
 ccattactac tcccacatga ccttgttagat gaagagcacg 580

<210> 11065
 <211> 189
 <212> DNA

<210> 11068
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128a06a1

<400> 11068

gtcatacgca gcgtgctca aatatattgc taaatccacg tatcgatctg tggctattgg 60
 atccattgaa cctaagcctg ctctctctat tcatctgagc agattcaact gcaacatatt 120
 tgcggctggc ataacttttg ggcgatgcat ctttcacgta tcaatttgat ggcgagcca 180
 aagaatctgt accagcagcg aatggttgtg agtctcaagt caattatcag ccaggaaact 240
 c 241

<210> 11069
 <211> 206
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128a06d1

<400> 11069

atataaatag ttaaacaggg acaaacggca atcatattaa agtcatccc caaaaaaatc 60
 agaaacttaa aaaggaacga gggataaaat accataatcg tagataaaga gttttaact 120
 cagcgaatcc gatcctactg aaaacgtatg aaggcatcgc gtcaatataa ccggttaatc 180
 ccctaagtat gggtgcaaaa tgaggg 206

<210> 11070
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128a07a1

<400> 11070

ctcatatact gcgtgcttca tttatattgc taaatccacc catcgatctt tggctatggg 60
 gtgcattcaa cctaaacctg ctctccagc tcatctgagc cgttttaact accacacatt 120
 agcggctggc agaacttctg gccgattcat ttttcacca ccaaattgct ggcgagcca 180

aagtatctgc accagcagcg aatggttgct catcatctgt caactatcat ccaagagaac 240
ttttattctc caaacaatgg agatctccca ctatttcaat acta 284

<210>	11071
<211>	91
<212>	DNA
<213>	Glycine max

<400> 11071

tacacttgac atgaaagagg gaaaaaagat c 91

<400> 11072

atgcattgaa caatagcctt tgcatgcgaa tctctttttg agtcttcagt agcactctac 120

aagaccttgc aaqqqagaag tacaatcaat ttgcaagct actgatggtt cacctgtgca 180

atgcatcccc accagcacat catggctttc catcaaaact cgtctctatg ctatgaagct 240

cctagtcacc tagagaagag ccgatccaac gagtcggagt atttt 285

<210>	11073
<211>	90
<212>	DNA
<213>	Glycine max

<400> 11073

aatacactcc aaaggtacat gttaccacaa 90

<210> 11074

<211> 466
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220128a09a1
 <400> 11074

gatctctgct tctacctggg tgcttatcct tgcacttaaa aggtacctat tagttccaag 60
 gggtaagggt aagaacttgt aagttatagt agcagttact ggaggaagaa gtttcaattc 120
 cttgcggata acgaatgtgg ttggagtgcc aagtgagcat ttaaccgat acatgcatct 180
 cttcaaagtt gagacgagat tgttttggtg gtttctcttc ggtcctcttc ccgtggctta 240
 ttgatataata gaacaattag tccaggaatt tatgcaaaag actgatagag caaggcaaag 300
 tagagagtct taacaataaa tgggtttttt ttataaata tttcttggtt ctaataaagg 360
 cttgcatcac ttattttatt tttgtagtta gttcttttat ataaataagc atcctcttaa 420
 tgtatgtagt cacttcagtt tcagattact aaatttttgt tgttct 466

<210> 11075
 <211> 335
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220128a09d1
 <400> 11075

agaacaacaa aaatatttag taatctgaaa ctgaagtgcac tacatacatt aaagaggatg 60
 cttatttata taaaagaact aactacaaaa aataaataag tgatgcaagc ctttattaga 120
 aacaagaaat atttataaaa aaaaaaccat ttattggtaa gactctctac tttgccttgc 180
 tctatcagtc ttttgcataa attcctggac taattggtct atatatcaat aagccacggg 240
 aagaggaccg aagagaagcc accaaaacaa tctcgtctca actttgaaga gatgcatgta 300
 tcggttaaaa tgctcacttg gcacttcaac cacat 335

<210> 11076
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220128a10a1

<400> 11076

gggtagtctt gaagcggaaa gaacaacagt aggattggca gcaagagacc cttcagggat 60
tctctcccca tacacctaca atctaagaaa cacaggccct gatgatgttt acattaaagt 120
tcactactgt ggaatttgcc attctgatct ccaccagatt aaaaatgata ttggcatgtc 180
caactatccc atgggtccag gacatgaagt gggttggtgag gtactggagg tgggatcaaa 240
cgtttagcagg ttcagagtgg gagagtgtgt gggagttgga ctctctgtag gttgctgcan 300
aaactgccag ccatgccaac aagacattga gaattactgc agcaagaaga tctgggtctta 360
caatgatgtt tatgtcgatg gaaaaccac acagggtggc ttgctgaaa ccatgatcgt 420
tga 423

<210> 11077

<211> 301

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220128a10d1

<400> 11077

aaacaaaaca cagcttcttt tttagagtga acaacaaata cagctttagt tctcaattaa 60
ttaataactt ttccagactc ttcgatgtgg aaggatggat gttgcgtgtg tccggctagt 120
agtatacttt ctttctttta ctgatcgaca agtttgctgc ctttgacatc cacaacaaac 180
ctgtatctca cgtcattctt ctccaacctt tcaaaggctt tgtaaatgta atccatgttt 240
accatttcaa tcatcgaact cagacccttc tttttccaga actccaacat tttctttggc 300
t 301

<210> 11078

<211> 336

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220128a11a1

<400> 11078

ggagaaggca ttgtggaagt ccaagttcgt gggttccgga ggggggtaga agtggatggg 60
gtttgtggta gtacacaaaa ccatctttaa cgtttcacat ctaacaccaa caccatttac 120

agaaaatgaa acaactcgat gcattctaga cccaagaaac aaccccgcaa ccagtaccag 180
ccactcatgc tctccaaca aaacaaacaa caattaactt tctactcaa gaataacatt 240
cttcaactga agatcctgcc ccataatcaa ccaccaaagc accaaaagca gaaaccactc 300
gatcaccaac acccgaatct gttgaaacaa ctccta 336

<210> 11079
<211> 191
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128a11d1

<400> 11079

gatcgaatac atagttatatt tcatgattga gtttttacct actgacacaa ataatgatca 60
taatactaca atcattgcaa gtggcaattg cttctggaac acgcttctaa cataatatta 120
atttataatc tttagaatat gtggccatcg cggcggttc cattgatcca ttctaacctg 180
cattttatta a 191

<210> 11080
<211> 327
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128a12a1

<400> 11080

attctccctt tctctccga accctcgatc actctcacgc gctcctatat tcgctcctcc 60
accgtcgctc tctcgaacaa ccacaacacc atcttcatca catggcaaac gcagcatctg 120
gtatggcagt ccatgatgac tgcaagttga ggtttttgga gctgaaggca aaaaggacac 180
accgtttcat agtttttaag attgaggagc agcagaagca ggtcattgtg gagaagcttg 240
gtgagcctgc ccagggctat gaagatttca ctgccagcct tctgctgac gagttgccgt 300
atgctggtta tgagtttgag tatctga 327

<210> 11081
<211> 288
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128b01a1

<400> 11081

atcctatatt ctcttcttga atcatcttgc ttatgctgcc tatcaaaatg gacttattag 60
gaccggagat catagggcca ctcatcttgg tttcttgcct ggattgagca tgacactatt 120
tgccggcgctc cgaacccaag acgaaggctc atccacctat catgctcctc gcacacccaa 180
agcatcttca cctgccgtac agagatctgc gtcacctgtt ccctcttgac ctccaccctg 240
tgagtatgcg acaccaggta ccaactcgccc tccatccaca ctcaacta 288

<210> 11082

<211> 141

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220128b01d1

<400> 11082

actcgaatgc aacgatcgat aaactaatag taatggcata caaaataact gccctcgaat 60
acaaaacctc ccctcaaate taccaagaat gcaagcaatt catatagttc aaatacagca 120
ttaaactccc acgatcacat t 141

<210> 11083

<211> 474

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220128b02a1

<400> 11083

atttctctct gccttgctca tttacacacc tctccaacct tttactttca gctttatttg 60
aatccctctc tctcctttcc aaatggccag cgttgagggt gcacatcaaa caccaacaac 120
agttccagaa aatgaaacaa ccgaggtaat caagaccag gaaacaaccc cggaaccagt 180
gccagccact gaggtcctg caacagaaca agcagcagct gaggttctg ctcaagaaga 240
acaacaagca actgaggttc ctgccccaga atcaaccacc gaagcaccaa aggaagaaac 300
caccgaagca ccaacaacag atacagtcga aacaacaact acagaagaag ccaagccaga 360
tgagcctaaa gaagttgcag ttgagaccga cgaggtggtg aaaaaagaga cagaggaaga 420

gaagccagct gcacaagaga aatcagagga gaaaactgaa gaagtgaaag aaga 474

<210> 11084
<211> 203
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128b02d1

<400> 11084

aaagtaaata tcatttattc aaacctaaag aaacacaata gcacatgatc acaaactcat 60
gtaaccctgc caataaaata aaccctcatc cctaaactcc aggacccagg agcagcttgc 120
tcacttcaat acacaactcc tagaatatcg tatgggacca cggggaaagc acgctgatgt 180
ggagccaaga gttgtgctca cac 203

<210> 11085
<211> 371
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128b03a1

<400> 11085

ctttaacctc accccccct agccacttcc taattagcat tattattgtc cacagacagc 60
taaaggatcc tgtatgtctc tctctatc tactctagat ccgacacccc catacatctc 120
tccctatgac tccaaccac atctgatgtc agtgatacgt tctgactata cttactatgt 180
gctctcctac ctctcgctgaa ctacatgtc gccacaacaa cttctcattc cacctctcca 240
ccccaattgt caccaacgaa ttcaccgcat atgttcgctt acatgtcgaa ctaagctatt 300
gttcacgtt gttgccaccc catgcgcaa tgcctcatgc acgataccca tatatgtctt 360
agagcatgta a 371

<210> 11086
<211> 92
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128b03d1

<400> 11086

aagacttact gtagaatata tatctagggg agcactggga gttgataacg cegtccattt 60
aaatacatta tacaggactg aggcagaaat gt 92

<210> 11087
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128b04a1

<400> 11087

cttttgctca acgatcccca cttaactcc atgttgccat catctgtttg ttttgacagt 60
caccggtgat cgtaaaacac ttaatacaaa cttcatcatg tttttacttt actctactgc 120
tggtgatttca tgaacaactt tatatgcatt cttcaagcta acgtgggttg tgataatggg 180
ccctgctgac actccagagg aatgatgcac cattaaatta acttttcaat caccggacta 240
tttttctgaa taaccaatat ctgaacgaag tccgcatttg at 282

<210> 11088
<211> 93
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128b04d1

<400> 11088

accatattca ctattgaacc catatcctca ccagcacagt gtactgacag cggcgacagt 60
ttttctacat tggaacgcaa tgagatactc att 93

<210> 11089
<211> 114
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128b05a1

<400> 11089

cttatataca acgtttcttca ttcttaatga tatatccacc catcaatatg tggctatggg 60
atccaatcaa cctaagccta ctctcttaa tctccttagt agtttccact acca 114

<210> 11090
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128b05d1

<400> 11090

tgtgggtgat tctctatgac agctatgacg atgcatgcac acgtccgtat ggacgagctc 60
 actcttcagc ggccggcctt actacttggt tgttttttgc aattgagaac acttttactg 120
 agagctgcgt gacagagaag ttattctatg ccttagactc tgggtgcagtt cctatctatt 180
 ttggtgcacc aaatgtcatt gattttgggc cctccacatt caataataga tggtagaaaa 240
 ttcaacttat tggaagagct gg 262

<210> 11091
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128b06a1

<400> 11091

gtcatagcgt gcgtgcgtca aatatattgt ttaagccacc catcgatatt tggttatggg 60
 ttccattgaa cctaagcctg ctcttccaaa tcgctgagc agattcaact accacatatt 120
 tgccggtggc tgaactgccg ggccaatcat ctttcacgca ccaagttggt ggcgtaacca 180
 aagtatttgt acctgcagcg aatggatgtc attcttccgt caattaacag ccaagaaact 240
 tttatgcttc a 251

<210> 11092
 <211> 148
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128b06d1

<400> 11092

attgttatac caagatacct ggcaataatg ttaaagcaca acccctaaaa aaccagaacc 60
 ataaacatga acgagtgaag aaaaccata atcattcagg aagactttta taccactga 120
 atccgatcct ggggtaaaaag gctgaagg 148

<210> 11093
<211> 335
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128b07a1

<400> 11093

gtcatatgca gcgtgcgtca gttttattgc ttgagccaac tatcgctatg tggctatggg 60
atgcattgaa cctaagcctg ctctccaga tctcctgagg ggttttaact accacacatt 120
aaaggctggc agaacgttcg gacgattaat ttttcaagca ccaaattggtt ggcgtagcca 180
atgcatctcc accagcagcg gaggtctgtc attcacctgt caacttgaag gcaagtaact 240
cataggctcc aagcacaggg cagaatccac gatcaggaat agtaccgccc ggggatggat 300
tttctcatcc gtgaggaatg gattatcctt tcatt 335

<210> 11094
<211> 95
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128b07d1

<400> 11094

attacactta taatgatacc tagataacag acaataaaat taaagcacta aaccaatggg 60
gccattacta tctaaacaga cgcaccaaaa gtaat 95

<210> 11095
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128b08a1

<400> 11095

ctcatacaca gcttgcttca aacatattgc taaaccacc catcgatctt tggctatggg 60
gtccattgaa cctaagccag ctctcctaa tctcctgagc tgttttaact gcaacacatc 120
aacggctggc agaactgacg gacgaagaat ctttcaccca acaaattggtt ggcgtaacca 180
aagtatctcc accatcagcg aagggatgtc agtcagctgt taactatcag ccaagaaact 240

c

241

<210> 11096
 <211> 201
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128b08d1

<400> 11096

atatagatag ataaacaaag ataaaaggca ataattattaa agcacaagtt caaaaaaatc 60
 aaaaaataa aaagaaacga gtgaaaaaaa cccaaaagca cacagaaaga gatgtaaact 120
 cacagaatcc gatcctggta aaaacgggtg aaggcaacgt ataaagataa cagagtaatc 180
 cgtaaagttg attgaagaat g 201

<210> 11097
 <211> 321
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128b09a1

<400> 11097

cacgaacaca acgcacatca taacaattgc caaacccaac cattgctttt tggctaccgg 60
 aagcattgac ccaaaacat caaacccaaa tccctttatc attcctaact acaactcatc 120
 aaagccttgc agcccaacga accatcaatc gttcacgggtg ctgatcgggt acaggaccaa 180
 cctctcacca ccagcagaga acggctgtca cttagctgtc aactctaagc cattgaactc 240
 tcatacttct aaaacagtgc tcttccaacg attggaactg ttccgaacaa agaggaatct 300
 atccgtgcgt gaagaatcca t 321

<210> 11098
 <211> 163
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128b09d1

<400> 11098

aacactcata atgataccta gataacaggc aattaattga atgcattaga ctctggagca 60

cttcatatgc atactgttgc tgttacaatt actggaattg gaccctaaca gtttcatact 120
 gcatgatttc caacctgcac aaaattgacc aatggaaagc ctt 163

<210> 11099
 <211> 465
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220128b10a1
 <400> 11099

atcatggtgg ccgtaaccgc cctcgcgaag cgcgcgtcaa ccttctcacc ccgagatgag 60
 gaggtgcctg agctcctccg aagtcaaata ccacgcgcgc ccgcacgacg ccgcgtcctt 120
 ccgcccgttt ccgcggcgcg aagatctgag caagcgggtgc gtgcagtggg cgttcctcgg 180
 ctgccccggc gtcggaaaag gaacgtacgc tagtcgcctg tccaacctcc tcggcgctccc 240
 tcacatcgcc accggcgatc tcgttcgcga cgaactcgcc tcctctgacc ccctttcttc 300
 ccaggttctc ttcttcttcc tcttcacttt gaattaacta gattaatttt tgtaacgcac 360
 atttggtaa ggttattgaa atttctgctg acggcgcagc gcttagacag aaaaatggga 420
 tgataattat tatttttaaaa aatattaaaa agttgtcatc taatc 465

<210> 11100
 <211> 234
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220128b10d1
 <400> 11100

attcaaataa catgaaacat catattaaat aatttttttc ctggaagtta ctccagtaaa 60
 aaagccttcc ctaaatacgc agcatgtgat gatgtgttgg aggtaataga ataagttcat 120
 tcacatttaa tttaacaaca tagtgatgat tgccaatcc tatcgacgtt gattcccgac 180
 caactatctt tctagccata ctgggagata ttattcactc tttaacaataa cctt 234

<210> 11101
 <211> 294
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128b12a1

<400> 11101

caacaacatg tctcagtttt ccacctccaa acgctgaata aaaaaaaagg aatcacagaa 60
acagagtatc cacagcgtat agtcccaaaa tgcattctgga tcaacatgac cccaaaacga 120
caacaagagc aacaaaagtc ctccctctgt tctctactt gttcttcttc ttcagcctcg 180
cctcttcggc tctcccatg ctccctctcg acgcagtatc gttagtgtcg tttaagcgtg 240
aagcggacca agacaacaag ctctctact ccctcaacga aagctacgac tact 294

<210> 11102

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220128c01a1

<400> 11102

ctcataaaca gcttacttca aacatattgc ttattccacc catcaatctt tccctattgg 60
gtccaggga cctaaaccaa cacctcctaa tcatcttacc atatacaact acaacatatt 120
aacgtctggc aaaactacga acgaagcatt ttccaccat caggttcttg acccaaccaa 180
agcctttcta ccatacagca acgcattgtga ttctccagta aattatcagc caactaactc 240

<210> 11103

<211> 160

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220128c01d1

<400> 11103

gtacatagat agtaaaacca aaagaactgg caaacatggt aaaggacaac ctcaacgaaa 60
ccagaaccat aaagaggtag gagggaaaaa gaccacaaac gccaaagaaa gagatctaca 120
ctgacacgaa tcccatcctg gggaaaaagg attgaggcaa 160

<210> 11104

<211> 102

<212> DNA

<213> Glycine max

002220128c02d1

<223> Clone ID: jC-gmfl02220128c02d1

<400> 11104

gtattgataa ttaaacaata atacctggca ttaatgtgaa tgcacatggt catagaatcc 60
tgtaccttaa agatgtacgt gggtaaattg tctagagcag ga 102

<210> 11105

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220128c09a1

<400> 11105

cgcatacact gcttgcttca aaaagattgc ttgacccaag taacgatctc tggctattcg 60
atccaatgaa cctaagcctg ttcctacgaa gggcctgagt tgcttcaact acaacccatc 120
atccggtggc gagacgccgg gataataatt gttcaaccct cacatggatg gcgcatgcaa 180
accatctaca acaaccgaga aggggatgga ttcagctgtc aactcaacc caggaaactt 240
ttactattca aag 253

<210> 11106

<211> 168

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220128c09d1

<400> 11106

atacaaataa aaaaacaaaa acacccggca ttaatattaa agcacaacct cataaaaacc 60
actaccataa aaagaaacct gggacaaaaa cccaaaatcc acagtaacag ttacagactc 120
agccaatccc atcctgcgaa aaacatatga atgcaacgcc tcacgata 168

<210> 11107

<211> 584

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220128c10a1

<400> 11107

atctaagtaa gtgttgagag aagagtgcgt ttgtttgttt gaaattaagt agtaaagatg 60
 tttggaatca tcggaggaaa caaggggtcac aagataaagg ggaacttggt gattatgcga 120
 aagaatgtgt tggatatcaa cagcatcacc agtggttaagg gtgtcattgg aaccggcatt 180
 aacatcattg gaggtgtcgt cgacaccgtt actgctttgg cgtcccacat ctccatccag 240
 ctcatcagtg ccaccaaggc tgatggacat gggaaaggta aagttggaaa ggctacaaat 300
 ttaagaggac aagtgtcgtt gccaaccttg ggagctgncg aagatgcata cgatgttaat 360
 tttgaatggg acagtgactt cngaattccc ggtgcatttt acataaagaa cttcatgcag 420
 ttgagttcta tctcaagtct ctaactctcg aagacattcc aaaccacgga accattcact 480
 tcgtatgcaa ctctggggtt tacaattcaa aaactacaag actgatcgca ttttctttgc 540
 cacaatacat atcttccaag cgagacacca gctccacttt tgag 584

<210> 11108

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220128c10d1

<400> 11108

gttgaaacat gcgtgattgc ctttattgct ttctcttcga tctgttataa aaacagaata 60
 cagcaaacac gagaacattc aaccacccca aatgtaactt gaccatacgt aggtcgatga 120
 aggaatcata ttctcctat ttacattat tgaaaaacag gcagagtagt acagtcaacc 180
 ctaatgagag agcccttaga tagagatact gttgggaaat cctctgaaag gcaattcctt 240
 ctactagaa agatagagc 259

<210> 11109

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220128c11a1

<400> 11109

cgccctgtct aactacatgc atggacttgc acctgagaac acttttactg agagctacgt 60

gacagagaag ttatactatg ccttagacta tgggtgcaggt cctatgtatt tcggtgcacc 120
 gaatgtcaat gtattctgtc ccttcacatt cagtaataga tggttgaaca tgcaagtcatt 180
 tggaagagta ggctatgcac gtgaaggctg tagctaata tccagctgcc tatgcagaat 240
 accatgcatg g 251

<210> 11110
 <211> 157
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220128c11d1

<400> 11110

gaatgaagag tgatgtttgc atgaattgac atatcaagtt gacatatgca cgtgttatta 60
 tcaaaaatca tacatcaaca aaaacacttc aactatagtg taacctaaagg tggagataga 120
 atcaacctct ttccaccaaa aaaggggggc aataaaa 157

<210> 11111
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220128c12a1

<400> 11111

cgccatgtct cactacaagt ttgttcttgc aattgagaac acttttactg agagctacgt 60
 gacagagaag ttattctatg ccttagactc tgggtgcagtt cctatctatt ctggtgcacc 120
 aaatgtcatg gattttgtcc cttcacattc aataatagat ggtagaaaat tcaactcatt 180
 ggaagagttg gcttcgcacg tgaaggctgt agctaatagat ccagtagcct atgcagaata 240
 ccatgcatgg ag 252

<210> 11112
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220128d01a1

<400> 11112

gttctggacc gtcacctcaa tcgagcgtgc taggtggctg tatgacagtt cctacagaac 60
 caaaatgttt tgcttgctag ctagaacgat ggggacgata aagagggaac ttggtattaa 120
 gcgggaccca gcggatatgc taagctcgct atcaggaatt actgatgcag cgaggaggag 180
 cattactgtc aggtgcagtg tgagcagctc cgcaaggaaa ctggaagcta ccacaataaa 240
 accgagcatc atagaaagcc tcgactcgag ctgaatagaa caccaagcat gctagtgtgt 300
 cttcttctat gggactcgag tagatgttac catgggagaa aaccgtatat ccattganga 360
 aaatgaccga ggaaagagag tcttacc 387

<210> 11113
 <211> 138
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220128d01d1
 <400> 11113

ggtaatccat cctcaatacc gacagtaaaa tccttatttc cgactctgat atcagctgct 60
 taccacacac aatgaagtac atgagacatg actgaggcat gcctgcactt cggcttgaga 120
 aagtccctgga catgcccc 138

<210> 11114
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220128d09a1
 <400> 11114

cacataaact gcttacatca aacatattgc ttaaaccacc catcgatctt tgggtatggg 60
 gtgcattcaa cctaagccat cacctcctgc tcccattatg atattcaact accacacatc 120
 agcggctggc ataccaatga gcgaagaatg tttcacgcga catgtggatg gccaagccaa 180
 agcttcagta cctgcagcga acgcttgaca ttctcaagtc aattctcagc caactaactc 240
 acagt 245

<210> 11115
 <211> 130

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220128d09d1
 <400> 11115
 attaatatac aaatataata ggcaataatt ttaaaaaaca aaccataaaa aaccaatacc 60
 ataaaaatat acataagaaa ataaactaaa atttctaata aatagaatta aacatactta 120
 attccattct 130

<210> 11116
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220128d10a1
 <400> 11116
 cgcagatact gcttacttca aaaatattgc ttaaccacc caacgatctc tgtctattgg 60
 atgcattgaa cctaagcctt ttactactaa tttctttcct gtctataact acaaccatc 120
 atccggtgac aagccgccgg gataataatt gttcaaccct cacatggatg gcgcaaccaa 180
 accatttaca acatccgaga aggggagggga ttagctgac atctctaccc catggaactt 240
 ttacttttca aag 253

<210> 11117
 <211> 225
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220128d10d1
 <400> 11117
 tcccttttct ttttttcttt ttatcacat tttttatata gattatcaaa cccaaacaac 60
 caccaaaaat attaaccat ttagtgaggg ttaactgcac cctagacaca aacctgggac 120
 caaaaccaa ctgcaccaac aaggagattc agactacgac aatcccaccc tgctaaaaac 180
 ggatgaatgc cagcaccac tctaacacgc taatccctta gggtg 225

<210> 11118
 <211> 310

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128d11a1

<400> 11118

cgccatgtct cactacaagt ttgttcttgc aattgagaac acttttactg agagctacgt 60
gacagagaag ttattctatg ccttagactc tgggtgcagtt cctatctatt ttggtgcacc 120
aaatgtcatg gattttgtcc ctccacattc aataatagat ggtagaaaat tcaactcatt 180
ggaagagttg gcttcgcacg tgaaggctgt agctaagat ccagtagcct atgcagaata 240
ccatgcatgg agaaagctgt ggtgtacctt ggtaactatg gaaaaactcg agctgtgagc 300
cttgacacgt 310

<210> 11119
<211> 358
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128d11d1

<400> 11119

acgtccgtgg ccgccctttt tttttttttt tttttcaatt ttgaatgaag agtgatgttt 60
gcatgaattg acatatcaag ttgacatatg cacgtgtttt tctcaaaaat catacatcaa 120
caaaaacact tcaactatag tgtaacctat gtggagatag catcaaccac tttctaccag 180
aaaagggggg caataaaaaa taaaatatca catgagctaa gcctttcttg gtcaaatgta 240
cattagctca gagaaacaag caatctctat acaggttgca aacctaaatt caatgcgtca 300
atctctatca tgcagaacta ccaatctagc aaaaaactca acctagcttt ccgcattt 358

<210> 11120
<211> 300
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128d12a1

<400> 11120

cgccatgtct cactacaagt ttgttcttgc aattgagaac acttttactg agagctacgt 60
gacagagaag ttattctatg ccttagactc tgggtgcagtt cctatctatt ttggtgcacc 120

aaatgtcatt ggattttgtc cctccacatt caataataga tggtagaaaa ttcaactcat 180
 tggaagagtt ggcttcgcac gtgaaggctg tagctaata tccagtagcc tatgcagaat 240
 accatgcatg gagaaagggtg tgggtgtactc tggttaactat ggaaaaactc gagctgtgag 300

<210> 11121
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220128e01a1
 <400> 11121

gttcgaggct gcgtgcttca aacatattgt ttattccacg catcgatctt tctttattgg 60
 ctccgggggaa cctaaacctg cacctcctga tcattctgcgc tttttcaact acaacttatt 120
 agcgggtggc gatacaatgc gcgaagaatt ttacaccgtc caagtgttg gcgcagccaa 180
 agcatatgta tcagcagcgc acgcttgtga atgtcctgta aattacaagc caaggaactc 240

<210> 11122
 <211> 90
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220128e01d1
 <400> 11122

attatacaat aataactatc aatcatggta aatttctttc tcataaaatc cactacctta 60
 tatatatatc tgtaacata ttctcaatt 90

<210> 11123
 <211> 192
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220128e09a1
 <400> 11123

cacaacacgc tgcttcaaaa ctattgcaaa cccaccatca ttgtggtatg ggatcattga 60
 accataacct cacctcaaat cccctggcct atataactac acacattaac ggctggcaac 120
 cgccggggcga agaattgtaa cgcaacaaat gttggcgtgg ccaacgtcta gaccagcagc 180

gaacggctgt ca

192

<210> 11124
<211> 96
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128e09d1

<400> 11124

atataaatta ttaaataaaa ataatggga aaaatattaa aaaacaaact caaaaaatcc 60

attaaaataa aaataaacgt aagaaaaaaa ttaaaa 96

<210> 11125
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128e10a1

<400> 11125

cacatatata gcttacataa aaaatattgc ttaaccacc catcgatctt tgtctattgg 60

atgcattgaa cctaaaccag cacctcctaa tctcctgagc atatataact acaacacatc 120

agcggctggc aaaccgagc acgaagaatc tttcacccga cagatgggtg acgtagccaa 180

tgcatacagta ccagcagcga acggctgtca atcaaatgtc aactatcagc caacaaactc 240

acagtcttc 249

<210> 11126
<211> 170
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128e10d1

<400> 11126

atataaataa atatacaaaa ataatggca ataataattaa aacacatcct caaaaaaac 60

attaacaaaa aaagaaacct gagaaaaaaa accaaaacac aaagaaacag atttagactc 120

tgacaaaccc accctgggaa aaacatatga atgccacgca caactataac 170

<210> 11127
 <211> 350
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128e11a1

<400> 11127

attcaactta agagatcaat atggccacca ccactacca gcctccctct aatatctgtt 60
 ttttccttct gttgttgctt ctagcacact ttcatttggg cataagccaa cttgagctga 120
 attactactc taaaagctgc ccaaaagctg aagagatcat caaggaacaa gtcacacaac 180
 tatataacaa gcatggaaac actgccgttt cgtgggtcag aaatctcttc cacgattgcg 240
 tggttaagtc atgcgatgca tcattactgt tagcgacggt gagcgatgta atggtcgagc 300
 agacatcgat aggaagtttt gggatgagaa actttcaggt acgtaaacac 350

<210> 11128
 <211> 323
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220128e12a1

<400> 11128

ctacccttct ctcacaaatc tatttccatt ccattccctc agagagagca agatcacctt 60
 tctatagaga gaaaacacac acacacacac acaaaacaaa actcttaaag agggatgaaga 120
 tttttttgga acagaataag agtatggccc ttacaaaaca aatcttgggt tcttcattgc 180
 tagagaggtc catgtttgtt ccttcttctt ccccttcac ctttctgaac caaactcggg 240
 tcttagttcc tttggagaac aagagagttg tgagggtgaa gagagctgca nagtttcctg 300
 tggcagctat aagtgaggat ttg 323

<210> 11129
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128f01a1

<400> 11129

gttataggct gcatacttca aacatattgt ttatttcaac catcgatatt tgtttattgg 60
atccggggaa cctaaaccaa caactcctga tcttctgctc atatttaact acaacttatt 120
agcggtggc aatacgatgc gcgaagaatt ttacaccgctc caggctccttg gcgtaaccaa 180
agtatttgta cctgcagcga acgcttggtga atgtcatgta aattacaagc caaggaactc 240

<210> 11130
<211> 174
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220128f01d1
<400> 11130

attattgtca tttatgttaa atttcttctt cttatatttc tttatttttt aaatttttgt 60
gtttatattt tttatatttc tacattatca ttttttatat ttattttaat ttccttcttt 120
gtttaaatat ttttaattgc atatgttttt ttttttctg ttttttctt aatt 174

<210> 11131
<211> 550
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220128f09a1
<400> 11131

gaagaaatag aaaaccatca accgcaaccg tgtaaatttc tggaactttc caccatgatc 60
gagatcctac acctgtagaa cactaacttc aatacccgaa tgatttaaac accgtattcc 120
ttcgacacca ttatcatcaa caacctcaaa ttccaagcac aagttctctg agttgttttg 180
tgagatagca catagcatag caaggaagga gtattacaac cgaaaccctg aagaaaaaaa 240
gagtagagga agaaaaaaca cctgcaccac caacgatggg tgtggattac tacaagatct 300
tgcagggtga taggagcgcc aaagacgacg acttgaagaa ggcttatagg aaacttgcta 360
tgaaatggca ccctgataag aacccaaca acaagaaaga agctgaagct aagttaagc 420
agatttccga agcatacgag ggtacttagt gatcccaaaa agagagcaat ctatgatcaa 480
tatggagaag aggggtctgaa gggtcagggt cctcctcctg atgctggtgg tgctggaact 540
ggaactactt 550

<210> 11132
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128f09d1

<400> 11132

gcacattatt aactgataaa ccacacaaaa ataatcaaat caaaattttt tcgcaggggg 60
aatcaaccaa aatatattgg tatatcttac atctttacaa aaaaaaaaaa aagtagttcc 120
caggggggaa tctgacaaat actatactat ctcacgctta ggcatttaag agttttctga 180
ttcctgcttt ttgctcttca gtgagcctag ttgggaactt gatgttaaac tttatcctca 240
aattccccctt ctttgatgga tcttttg 267

<210> 11133
<211> 503
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128f10a1

<400> 11133

ctcgagccgc tcgagccgat tcggctcgag gattgctatt gccattggg gggtcagcgc 60
tcctctctct ctctctctct ctctcctega actcgcagc acccttccat ctctcccttt 120
cactccaacc caaacctgaa tctctgatcc cttctccctc tcctttctct ttctctcct 180
ccctttgctg tactacatcc cagccacatt tccttttcac tcgattttc accccaatt 240
ttcaccaggg aatccaccgt taattttcgc ttaactgttg aactagggtt ttgtttattg 300
ttcttggttg gtcaatcgag aatgcctcgg gggtgattcc gattcgtgtc ttagatctcg 360
ttactgttgc gtccgtggat tgaatttggg gggagtttat cgatccctta gcggtgttta 420
tacaatgtgg ttggagaagt atttatgagt tcggatgagt ccttgctttt ggaatcgctg 480
gattctcgtc cagtgattca tca 503

<210> 11134
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128f10d1

<400> 11134

ataaaaacaa aagttcaaat tttttcttct atttttgggt tttcaattca aatattaggg 60
 ggatttgcaa gaaggaagag atgaaagacg cagggaccgt gaaaattaca ttttctttcc 120
 tatcatattg tcgtcctttg agacattctc cttttaaaag gacgtttttc aagcctgatt 180
 ttacataac tatagtacac ttagttacac tctactcttc cacacttttt ctataaaccg 240
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<210> 11135

<211> 348

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220128f11a1

<400> 11135

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 ttgcagtctc tcattccaat tgttgatcag tctgttggtg agagtaccat tcgtccctgt 120
 ttggttgagc tcagtgagga tccagatggt gatgttaggt ttttcgcctc acaagcacta 180
 caatcttggtg atcaagtcaa gatgtctagc tagatcagtt tgcagtgggt ctttagtttt 240
 ttttttttct tataagattt acattttctt ctgtaattga catgacgcca acttgcccaa 300
 tcctttggat cacattaatt gttgtgatcc tgctttgctt tcatttta 348

<210> 11136

<211> 342

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220128f12a1

<400> 11136

cagaaaaggg gttaagcgag gaagactgtg tagaaactag aaaccctaga gagagagaga 60
 gatgagaaga actcttctga gaaatgctac tctctacact cgcaaccttc tccatcactc 120
 ggcccctgca ttcgacgctt caactcgtcc ccaactcaga ctcttctgct ccaatgaaac 180
 cccccaccg gttccccaaa tcgacgacgt tgaccacaaa gagctgaaag cgcagatcga 240

gagctacttc aagggcgacg agcaggtgct tccgtcgatc atggagacga ttctgaagcg 300
 gaagctgtcg ggaaagcacg aagacaccga cgaccagctc at 342

<210> 11137
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220128g01a1
 <400> 11137

cttatacgca gaacacttca aacatattcc ttaaccgaat taatattatc catttatggg 60
 ctagagcgaa actctacctc tatctatctc tcctttaata ccacacaaat ttaacacact 120
 ttattttcttc tacaccacta tcatgaacat cttataactt caagcacaag ttctctgaca 180
 atgtctttca tatagcacac aacatatcag ggacatatga ttaccacccc gaccctgact 240
 cacaatttta cccaggaaga acaaccacct gttccaccaa cctatcgacc tgagtactac 300
 aatatcttgc ctgggggattg aatcgccaaa tactacgact tgaaaaacgc ttatacca 358

<210> 11138
 <211> 99
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220128g01d1
 <400> 11138

aaacaccaat agaaaaacac aaacacctgg caaaaaaggg aaagcgcaag ctcaaagaaa 60
 ccattaccat aaagagggac gtgggaaaaa ggcccagaa 99

<210> 11139
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220128g02a1
 <400> 11139

gttatacact gcatacatta aagagattgt aaattccaag catcgatata tttctattgg 60
 aaacatggat gctaaaccat gaagaacaga tcttcctgag atattgagat actaggctat 120

tatgcgatag aatgcgtttg atataaacat cttccaccgt gctaattggtt ggcttggcac 180
aagcattaac atcatcagag gaggcgtgta catcatctgt aatttggcag ccaacaaatt 240
catatagttc 250

<210> 11140
<211> 132
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220128g02d1
<400> 11140

acaaaaataa ctgggattaa tgttaaagga catcctctta gaaaccatta ccataaagag 60
taccgtgtca aaaacactta aactatagtg taaccatatg tggagatagc atcaaccact 120
ttctaccata aa 132

<210> 11141
<211> 376
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220128g03a1
<400> 11141

ggtcgagata gaacatataa atcatcttac ctttacaat acattctttg aacttatggg 60
gtgagttgaa ttataccttc aaaaactaac cattcccttc actactgcta aaaccaaact 120
ttgtctacac atacctctat gatcaacatc gtgcaagatc atcagccttc ctatgatgag 180
gtttgggaga gatcacacag catatcgagg aggtgagatt acatcgcggtg ccctgattaa 240
caaaagatat gatgatgaga agcttacagg gccacaaacc atgggtgggg atcataacac 300
gatgttgca gctgaatata tctccccaga cgacaactcg taaaaagcct gtactaaact 360
ctatataaac tgggac 376

<210> 11142
<211> 93
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220128g03d1

<400> 11142
 atatataataa aaatataaaa attaatggga aaaatattaa accacaatct caaaaaaacc 60
 attttttctca aggggaatca accaaaaatat att 93

<210> 11143
 <211> 579
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220128g04a1

<400> 11143
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 taatatttga tatctacaaa attggaaatc tggattaaac ttgaacttga gatcatgggtg 120
 agggctatgt tatcgacttg agaataataa tgcataaaac actgagttac ggcttgcttt 180
 tccctactat ccattatagt tatgctgtat ttaaatgtca ctgtaaaaat atgatgattt 240
 tccttggtcg ggtctttttc aagaactgac tttttttttg ttggaagaaa tgaacatggc 300
 atttccagga ttacagagct atggcattat aatgaccaca gcacgttagt caaagatgaa 360
 tcccatgggt gataatgctt gatatttaaa ttcaatatct acttgatatt tgcttatgaa 420
 tcaccttctc ttttgtatat gctcaagtga acaagaatgg acagttcgat ttcttttatt 480
 atgccattag tcttcttctg atgagctcct tgagccaatc aacgggatac atactgggtat 540
 agctggatga tcgatattga tgattctcaa gtatttgat 579

<210> 11144
 <211> 154
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220128g04d1

<400> 11144
 gtggcaatga taaacaatga aatctaattgc aaactgaaaa cggtacaac gctgtcacat 60
 tatagttgag gaggtgtgtg ataatttcct gattttcttc aaattacaga cccaattagg 120
 gaattaagcc caaacacact ttagactaga ataa 154

<210> 11145

<211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128g05a1

<400> 11145

cacagacaca gcataattca tacacatggt ttatgccaac catcgatatg tgggttatagg 60
 ttccactgaa gctaaaccaa taacccttaa tctcgaaggg agagaaaggg gccaaactatt 120
 agcggctgac aaggcacccg ggccatgaga ttgttcaccc aactagttgc tggcatatcc 180
 aaggacttaa taccctcaga gaatggcttt cagacagctg acgactacta agataagaac 240
 tttcatgcat c 251

<210> 11146
 <211> 147
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128g05d1

<400> 11146

catcattgat agttagacca ggattctatt gaaagaaatt acagacactc actcacgagt 60
 ctattctcat atagatgggc gtgcgtcata taaccctaac tagtaagtat agatcttata 120
 cagcatggtt ccctatctaa gttaaag 147

<210> 11147
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128g06a1

<400> 11147

cacatacaca gcatgcttta ggcttatagg caaatccacc catggatatt tgtgtatagg 60
 atccattcaa cctaagccag cacctgctta ttaccagagc ctagataact accacccatc 120
 aggggactcc gggctgctgt gcacataatc tttcacggga caggttcctg gcataagcaa 180
 tgcagtacaa ccaccctga acggcacact atcggaggtta aattacacgg catctagctc 240
 tatgcttcca aggtcatg 258

002220128g06d1

<210> 11148
<211> 154
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128g06d1

<400> 11148

atataaaaat aataataccg gaacaattgg caaaaaagta aatgcacata gtcaaagaac 60
acaatgcaaa aaactgtgct cagtgaaaaa aaccacaat ggtacagcaa gggtttcaaa 120
ctctctggaa cccaccctgc ggaaaacaga tgaa 154

<210> 11149
<211> 145
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128g07a1

<400> 11149

cacatctaca tcttacttat tttaaatca taattgcaac tcacgatatt agggtattgg 60
ttcctttgaa ccataaacia cacctatcaa cttttactac agtattaact attacatatc 120
taatttttgc aaaaacattg aaaaa 145

<210> 11150
<211> 125
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128g07d1

<400> 11150

gaacacttat aatgaaagcg gggtaacga gaaaacaatc tatgccttac actctggagc 60
ctttcctatt tattatggcg ctacaaacag atacggattt tggccccttc catttaagta 120
atggc 125

<210> 11151
<211> 541
<212> DNA
<213> Glycine max

[illegible]

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tatttttagtc	ccaggatcta	tttagacaaa	agaataagca	gtgttttcaa	caaagtgaac	120
cagactccaa	aagtagctca	agaatggaag	tcacaaagaa	agcctcttca	atgtcatatc	180
aacttggtcc	atgagcaaga	tatgatggag	ttaaaaaaga	acagagtgga	aaaggtagca	240
tccttcccat	cactaatgaa	ctcaggaggg	aaccataaat	cagtgactgt	ttctgctgca	300
aaaagcattg	atgatgtgcc	tatttgtgga	cagatttcaa	ataagtgcac	taaaacttct	360
cagcatacta	gtagagaaca	aaagaggagc	tgggacatgg	ttgtagacac	tgcttctctt	420
ctgacaagga	gtcaaggaaa	gctttgcagc	ttttacaagg	ccttcaggag	actcgtttaa	480
tcattccaag	tttggtcata	agggaacttc	gcagcatgaa	gcaaaaattt	agaattttca	540
g						541

<223> Clone ID: jC-gmf102220128g08d1

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agcttcaaac	cagcttttga	tggcaatcca	caatatttct	cccttaaaac	taaatcatct	120
tggcaagacc	aagtcagtcc	tcgaggagag	ctctttggcc	acatgaacct	ctcagagaag	180
gggttcacta	aactctgccg	aaattgttgc	actgtctcac	atagcaaccc	ctttgccatg	240
gattttat	tttcaatgagac	atcactacta	ataaggacaa	gttgtacaac	attatacttt	300
tttccatatt	gaagggcaca	gtcaacgatg	tg			332

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<223>      Clone ID: jC-gmf102220128g09a1
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<400> 11153

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 aactctgctt atttatctgc attaaagaca gcacctatgc cagctttgcc tccacctgaa 120
 acaaataaac caatggagaa ggaaagtcgt aatgaaaata aagtcacccc taagaatttc 180
 ttttcaagcg tgagagatat tgaattgctc tttattaaag cttcagaatc tggccaagag 240
 gttccaaaga tgcttgaagc aaacaaagtt cactttcgtc caatattcca cgaaaagaa 300
 aacggttcta tgggtgtctc gtttttgaag gtatgttctt catgtgggga ggaccaagc 360
 caagttccag aaggcaattt gagtcatctc aact 394

<210> 11154

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220128g09d1

<400> 11154

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 caaagaaaat caaggagggg agtataagtc ctggtacaaa accctttatt agcaaaaaaa 120
 ttgcacccaa atttcttcac catcagaacc tagtacttac agcttttact gagtccctaa 180
 ccatgcactc atagtctctc tagtgcaatc tatcagctcc cttctattct tagaactcaa 240
 atgaa 245

<210> 11155

<211> 551

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220128g10a1

<400> 11155

atcgaccata tcactttcgt caccttcaca gataattcg ttgcaatcat ccatctcact 60
 tccacaaatt cctccaaatt ctaaccaaac cttcactac tccaaattcc aaaacttctt 120
 cacactcctt cttttccctc ttctgttgcc cgatcttctg cctccaagat tttggtattt 180
 gggattgatc acctggagtt ggaaatggtt aaaagttatg gagtgttctg atttgcaaaa 240

gatatcatgt tgcggtgctt agagggactt aagcctttat ttgcttccat attacgatgt 300
 tgtgacctgg atatatataa ccagccaaga ggccttgaag atcctgaact tcttgctaga 360
 gagactgtgt tcagtgtgtaag cgaaatagaa gcactttacg agctcttcaa aaagattagc 420
 agtgctgtca tcgacgatgg gttgattaac aaggaagagt ttcagttggc attgttcaag 480
 acaaataaaa aagaaagtct gtttgctgat cgggtatttg atttatttga cacaaagcac 540
 aatgggatac t 551

<210> 11156
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128g10d1

<400> 11156
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 ctcataattht aaaacaaact ctacacaacc ttggaatctt gcttttgaaa tttcgaaaaa 120
 tgggaaccaa atgtgtctag aagtttgaag aaaaaatgaa agtaaaatcc cagcaaaaaga 180
 atccacaaaa caaaatacat tattcaaaga tataacaaat gtaaggtaaa agcaaggctg 240
 tctgccatgc ccttttttgt acaaaag 267

<210> 11157
 <211> 352
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128g11a1

<400> 11157
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 ccaaggaagg gactgatgca acaaagcaaa ggcaatccca agagcaggca aggaggaaaa 120
 agatgtcaag agctcaagat ggaatactga agtacatgct gaaaatgatg gaggtttgca 180
 aggcacaagg gtttgtttat gggataattc ctgagaaggg gaagccagtg actggagcat 240
 cagacaatct tcgtgaatgg tggaaggaca aggtcaggtt cgatcgaaat ggtcctgctg 300
 ccatagtga gatatcaagct gataatgcaa tccctggaaa gaatgatgga tg 352

<210> 11158
<211> 345
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128g12a1

<400> 11158

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tccatttata gatccacgtc catcccatc tttcttctcc tattctctct gttttctttt 120
cttcttctaa aaagtgagag aagaaaaaag ggaattgaag gaagaagatt gagaaaaaag 180
ggggaatgcc cagataatta attcggtgaa attcgggatt ttcgtaagtg ggtgtttctc 240
ttttcgtgtt tttaccttca gtgggtggaag gaaggggggt tgggttggtg agttgatgga 300
cttgatgagc gttgagctgt gtgtcatccc tggacggcat ggatg 345

<210> 11159
<211> 492
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128h01a1

<400> 11159

gggttttagg gcattttttc gcaaccagaa aacccccaat tctctttcca aggcttcgtc 60
aattctcctt ccaaagcttc caaatgcttc gtcctaatgg ctttaggctc cttcgatcgc 120
tgcccgaata actcctccgc cagcgaacg aacccatata tgatggagtg tgccaaaggg 180
gttataggac attgagttct ggtctttgta atccatccag agttattggg aatttttctc 240
caaagtgttg aaatgggtgt aatttgaaga acttgttgct ttttggagcc gcggatacat 300
attgggggac atctagatcc gttcatgggt cagcatcatt ggcaagggac tattacgaag 360
tgcttggtgt gagtaagaat gctagttctt ctgaaataaa gaaagcatac tatgggcttg 420
caaagaagct ccatccagac acaaacaag atgacccata ggctgaaaga aagttcaaga 480
gtttcatggc ta 492

<210> 11160
<211> 252
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220128h01d1

<400> 11160

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ctagtttacc catggtccaa tgataaaggc tactccttca tgggaccttg cttttgagat 120
ttggaatcac attgcgtgac ttgcgccctt tcttatggaa taagggaact atatacagca 180
ctgactagaa ttctagccca gaggagcatg aagggtattgc cttctaaggc cttacaaaaa 240
aaatttttga tt 252

<210> 11161

<211> 404

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220128h02a1

<400> 11161

ccagctacca tgtctctgtt tctgtcttag agcctgcttg ccagaagtta taatggccca 60
tgatactgtt ctattacata tgaataaaag aacgacgggc tccctgacaa gctctgagac 120
cacatctcct atgctgagct ccatgcatgc ttatagctcg accctgacat ggagggcgcc 180
tgctaaacct gtaccacaac caacatgtgg atgggttttag gagagatcac aaccagggc 240
aacgtgtact atgataagat tgcgacgtgc acatgacgga acattgtctt tgcttctgat 300
gatggatggc cttgactctg acaactactg gggactggac agcattgatc aaccgagcgc 360
tgatattgct caagggtgggc acggacacct cacatagagg cctg 404

<210> 11162

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220128h02d1

<400> 11162

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taaaggata gttaactcta ccttagtgaa aagattgcgg atcgacagat tgcaaccacc 120

acatatctct atccatgaag ttcaaagcac actcgtatag ggttcaactt aaaacccaat 180
ccatgaccag agagcaccca ccgctttcca ccaaaaaagg ggggaaacgg atgaaca 237

<210> 11163
<211> 435
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128h03a1

<400> 11163

ccttctcaac tccacctcg actccgtgcc cgccgagccc gataaatggc tgcacaatgc 60
cttctgcgac caccgcaccg cctacggcgc catcttcggc cgcggcgccc aggacgacaa 120
atgtatcgtt attcagtacc tggaagccat ccgcaacctc aaatgccaaag ccttcactcc 180
acaccgcaca attcacatct cctcgttcc cgacgaggaa atcggcgcca tcgacggcgc 240
cgccaagtgc gtggagtccg aggaattcaa cggactcaac gttggattct cgctcgacga 300
ggggcaggcc tcgccgggcg atgaattgag ggttttctac tccgataggg gtccgcggaa 360
cgtgaagatt agggctaagg ggaggcccgg tcatgggtcg aggatgtatg atgggagtgc 420
ggaggagaat ttgat 435

<210> 11164
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220128h03d1

<400> 11164

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cacagaaaat aattcctgat cattacaata actaaggagg cattagtcct ggaacaaacc 120
gtaccattcc cagtcccat catgagcgaa ttggaacaac agaggacttt atttcttact 180
tttttcatgg tgtccgataa caacgttgct atttatgctt ttactccact tattatttgg 240
aagt 244

<210> 11165
<211> 287
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220128h04a1

<400> 11165

caagctacca tctctctctc tctttcttag agcctccttg ccagaagtta aaatggccga 60
 agaaactgtc ctattcacat ctgaatcagc gaacgagggg caccctgaca agctctgcga 120
 ccagatctcc gatgctggag ctgatgcat gcttggagct ggaccctgac agcaagggtg 180
 cctgtgaaac ctgcaccaag accaacaagg ggatggtttt caggagagat cacaaccaag 240
 gccaacgtgg actatgagaa gattgtgcgt gacacatgca cgaacat 287

<210> 11166

<211> 213

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220128h04d1

<400> 11166

cttagtaaaa ttggttgctc tctatgatct gagattatta cctatttcta gccttaaagt 60
 tgaaagaaca ttctttgtgg gttcatcata taagaaattc tacgggtctg aaagaacaca 120
 tactagctcc caaaataaag ggggaacttt tttaacaact tcctctaggg gaatacctaa 180
 ttgcgtttca gggaagggaa cctcgggaaa att 213

<210> 11167

<211> 388

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220128h05a1

<400> 11167

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 aatcagatgc atcgtgggta aatnttcctt tacaccaag aatgaagtca aggacttgac 180
 aggttcaagt ttaaccagtt acaaacaatag cagtcttctg gaccccatag atgtttcttc 240
 atcttcagat gatgaaaatg accttcctaa tgatgatgtg tctaataat tagtccttta 300

tgatcctgtg gcgaatggaa acaatgcaat tgaacttgca cctgatcctc tccagtgtga 360
 acatccattg cttccaagaa gcaaacct 388

<210> 11168
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128h05d1

<400> 11168

gctgaatgac cattttttca tattacaata ttacttgatt ctaacatggt tctcttggga 60
 caggcaccct tttttgaaca aaagattctt ccaggatgca aaatacattt ttattaagaa 120
 taccacgaga atgacctcct catgaggaca agtgaaccgc ctttacactg cttttccccc 180
 gaagctcatt acacctaaaa tgccctatctt aaaaggataa acgaactatt tctatatttg 240
 acagtaataa gcaactgact gacttcacaa tgca 274

<210> 11169
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220128h06a1

<400> 11169

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 tttgtttgct agagaactct ggtccggttt ctattgtcta tttggtcaag ccctccgctg 180
 gaacatgctg ttcagaaaaa ctttcatcaa tagactctct gaaagatatg agaatagctt 240
 gccgagagtg gacatgttat gtgttcaactg tagaccaat cattgagcca cccatgatgg 300
 tgattaatac agtggtatct gtgatggctt atgactatcc agcagagaag ctcacagtgt 360
 atctctcgga tgatgcaggc tcagacataa ctttttatgc tcttttagag gcttctacct 420
 ttgtcaagca ttgngtgccc ttctgcaaga gaattaaggt ggtatccgag tcacctgctg 480
 ctta 484

<400> 11170

<210>	11171
<211>	429
<212>	DNA
<213>	Glycine max

<400> 11171

<210>	11172
<211>	360
<212>	DNA
<213>	Glycine max

<223> Clone ID: jC-gmf102220128h07d1

<400> 11172

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 aaaattatct gaattgtttt gtgtacaagc tagattctca aacgatatac ttaaattggt 120
 ttaatgtaaa aatctcacct catcttatca taatctatag aataccaagc taattcagta 180
 tgtggcacgg gcaacaaggt ggtcctaagt ttgctcaatc tcattggtat atttcttgtg 240
 taaaaaatag gaaaagtga ctaatacaaa catcttaaaa taattaaata atatgaatgt 300
 ataataagag agaatgatac tttcatcata taagtgatga tttttatgcc acaagatgca 360

<210> 11173

<211> 425

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220128h08a1

<400> 11173

gaagatgtca attttgttga gaaatctttt gaggggtggtg accgatgcaa tcttgctgaa 60
 gactcacctt gctggaaggg agcttctgct gctcgctttt ctcatcttga accttctgca 120
 gctctgtctc aagaatatgt acacaaaaaa gaaagtagct ttggttctgt cattaaggag 180
 cctcagaatt atctgcttga tacagaaaac aatatgaaaa aatcatgtgg aaattcaa 240
 ggctttcaaa tgcatactgg aattgtctat caggacagaa gttcagcagg ttctccaagg 300
 agattttcag taacaaagtt tgcacctgaa tattgcaagt caggtagtgc tctgaatgat 360
 ggtccttttc aatctaagcc tagctgtgaa tttggacttc acaatatgtg gatattacca 420
 aaatg 425

<210> 11174

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220128h08d1

<400> 11174

ctgataaaga taataaatct aacccataag catttattca gagtcatatg ctcaaaacat 60

aaacatttat tgaaccatat aaccaaactc ttaaaagggt tcaaaatcgt tctacaagct 120
 tttctccaca tgttcccagt ctgacgcgaa gccatcggag tagtaagtag gaggtgaaa 180
 ctcacagggt cgcctaggct gagtttcttg attgtcctcc gaatccagat gaaactcctt 240
 tgggattgac ttgtccac 258

<210> 11175
 <211> 398
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128h09a1

<400> 11175

gtgctttgaa acaaagctgc gcagtggcaa taacgtgtat ttggtctctc atccaccttc 60
 tatggcataa aaagtatac agaaaacatc atactattac ttgtcatata cgactgcacc 120
 tccaagaaga tttagatagt tagttgtcaa tataacttgc cttgttattc tgttctgtgc 180
 ttacattcag gactagtaaa taatcattta attaaattat tcaaaacaga actatattgt 240
 tgaatagttc ataagagaag gcagcccgat cttgggtcac tcttacgccc gtaatttttc 300
 tgttggaagc aatatttcag acaccttgat gtcacatgc catgacttga gatcgattca 360
 acaaaacaat aatgaaggag aaatataaat tggcactc 398

<210> 11176
 <211> 163
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128h09d1

<400> 11176

gagggccaat ttatatttct ccttcattat tggtttgttg aatcgatctc aagtcatggc 60
 atgatgacct caagggggcc gaaaaattgg ttccaacaga aaaattacgg gcgtaagagt 120
 gaacccaaaa cgggctgcct tctcttatga accttttaac aaa 163

<210> 11177
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220128h10a1

<400> 11177

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gtgctttgaa acaaagctgc gcagtggcaa taacgtgtat ttggtctctc atccaccttc 60
tatggcataa aaagttatac agaaaacatc atactattac ttgtcatata cgactgcacc 120
tccaagaaga tttagatagt tagttgtcaa tataacttgc cttgttattc tgttctgtgc 180
ttacattcag gactagtaaa taatcattta attaaattat tcaaaacaga actatTTTTgt 240
tgaatagttc ataagagaag gcagcccgat cttgggtcac tcttacgccc gtaatttttc 300
tggttgaagc aatatttcag acaccttgat gtcacatgc catgacttga gatcgattca 360
acaaaacaat aatgaaggag aaatataaat tggcactcnn aaaaaagaaa agcggggaaa 420
aatggatgga aaacgaaaaa gaaaaaaaaa aagggcgggc gccgact 467
```

<210> 11178
 <211> 203
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128h10d1

<400> 11178

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gagggccaat ttatatttct ccttcattat tgctttgttg aatcgatccc aagtcatggc 60
atgacgacct caagggggct ggaaatattg cttccaacag aaaaattacg ggcgtaagag 120
tgaacaaaaa acgggctgcc ttcttttatg aaccttttaa caaatagtt ctggtttgaa 180
taatttaatt aaatggttat tta 203
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<210> 11179
 <211> 350
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220128h11a1

<400> 11179

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taactcaact ggatatggtg atgagctttt atgggcagct agttggctct atcatgctac 60
gggtgatgat tcttaccttc agtttgtgac tggccaagat ggagaagact atgctcaatg 120
gggaagccca acctggttca gttgggataa caagcttgct ggaactcagg ttttgttatc 180
```

tagattaagc ttttttaagg caaaggacat ttogaattca tatagctctg ggctccatag 240
 ttacaggaaa actgctgagg ctgtaatgtg tggctcttctt ccggattctc caacagccac 300
 aaaaagcaga acagatgatg gtcttatatg ggtgagccaa tggaactctt 350

<210> 11180
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220128h12a1
 <400> 11180

attttacact ttaaaaatgt tttctggcct aatgtagaat tcttaggagt agttgcagag 60
 acatcttatg gatgcagcta ctttcttaat ctccacaagg ctatgggtcg tctgtctctt 120
 gtttacatgc ctgctgggca gctggccaaa gacattgaga aaatgtctga tgaagcagct 180
 gctaactttg ctttcatgca gctcaaaaag atccttccag atgcttcttc accgattcag 240
 tatcttgtgt ctcatggtggg tacagatatt aatacactag gttcctatag ctatgatgca 300
 gttgggaaac cacatgatct gtatgaga 328

<210> 11181
 <211> 572
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220130a01d1
 <400> 11181

aaaataacca aaagggtaaa atggtaattg tgtatatattt tctattgaaa tttaaaatcc 60
 ggtccgccaa agcaaactg caaggcaatg ttatttttcgg ggggtggtgt gttctaaaaa 120
 gtagaaaccc gccattacta gggcaccatc cccaacaag ccaaaggcaa cactgctccc 180
 tactttatcc ataaaaagtc tagagaaaat atgcaataga tcaaacagca ataagcttcc 240
 cactaatttg taaaatgcta aatctggtac ttgctctggt ctatcattat taagatgagg 300
 gatgcactcc tgctttaatc tttatcttcg tccatgtcat ctgcaacaga cctgctcgtt 360
 tgtgcagtta aatcagagtt ctttgaacta gccatgtcat catcatgatc cgaatcaaaa 420

tcttcaccac tccatatacg acgtttttggc cttacatcca tgtcctcctc ttctctcttct 480
ggaacttcga tgaccgatgg tgttgnttga aaaggtgcac tgggtgcatg gngaaagcct 540
gaaagttggt cccagtatgt attccgaatt tt 572

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<210>      11182
<211>      412
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220130a03a1

<400>      11182
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<210>      11183
<211>      297
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220130a03d1

<400>      11183
```

<210>	11184
<211>	542
<212>	DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220130a04a1

<400> 11184

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gtatctttgc atgcccgcca ccaccgtagg cagcctgacg ttcattgtccc gtcgaagctc   60
ggaatcgctg gctctctaac cctcccatgg aacaccctta caagccgctc gcttatcgcg   120
ctctcggggc cctcttcccg cgctcctctc tgcacaccac tgacctcaca taccggggcg   180
ggctctgcaat tcctgaccct gcttggttccg aatcgacagg cctgcagagg cattacgaca   240
tagacgccag ctgggactac caccacaacc tcatcaagaa ctactgggac gagctcgacc   300
gcgccaccga ctactacgcc gctcacctca tcgacagcta cggccgctac gatcatgctt   360
acaaggccag gctatacagc tgcgccaacg ttactgaaaa aaactctgac gcgacgcact   420
atcaacgcta tcgagagcat acctgctaga tggaaacgct aagccgacta cgccaccgag   480
acatcgtaaa aatcctcagt aactgggcct tacgccgtga tcgcgtactg gactacgagt   540
cc                                                                                   542
```

<210> 11185

<211> 483

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220130a05a1

<400> 11185

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gggaatgtga aacttattac cagcagcaaa atccacatta tgatcagaat cattatccct   60
agctttattc tacaagcatt agaaacatga aacttctcag tcaactagtt tatcaatggt   120
tacaaaggat cggattcgga ttcggactcc gtctcgggaa aattcgagaa gatttttcga   180
atttttcacc actgctttgt gcgcagcgat cggtttcgga ttcgggctcc gattttcgcc   240
tctcgcaag agcttgggtt catttgact aatggagggg aaggaggttt gcgcgtcgga   300
gtcggcggtt gatggaagcc gcgacgtttg gagttcggag ccctcgctcg ctctctccgc   360
ggatcacctc gttgtaatgg tgaacggaat tctcggacgt gagacggatt ggaaatatgc   420
tgcgagaaaa tttgtcaagg agttgccaga taaagtgttt ggtcactgta aggctatttg   480
aaa                                                                                   483
```

<210> 11186
 <211> 314
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130a05d1

<400> 11186

ctccttattc ggcgcggctt ctttatcttc tttttgtctt gtcggttgta tttctgtgga 60
 tttcttctgt ttctgccggg gggaaaaaca ctttttggcc ccccgaggcc tacgagcctg 120
 cgaagcgtgt gtgagcctat tgaaggaagc caccgccgca caaagattcc ctcatgctgc 180
 tatttgccgg ggggagctga acaatattgc cccacactct cttgtaaata gtacagcgga 240
 ggttcaaccc ccgggggcaa cgatcaagtc cccccctaa atatagatgg cccaccccag 300
 ccggcacacc cgct 314

<210> 11187
 <211> 608
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220130a06a1

<400> 11187

caacaacaac tatctctcat ccttcttctt tctgtatccg taacacttgc aacacacatg 60
 gctacaatca ccaacacttt catattcaaa cccccatct ctcatcacc aaagcagctt 120
 gtctattccc accgatcata ctctacgcag tctcacaaa tataaaaccc cctccggagc 180
 gaattctcgg cggctgggtc cgaaagccac ggcggctccc ggggccaaga agacagaaaa 240
 gccgcacgag agagtccagc gagtccacag cgtggaggag ttcgagtcgg cgctcgaatc 300
 cgccaaagac aggcttgtgg cgggtggaata cgctgccagc gacagcgagg agagcagcca 360
 gatataccct ttcattggtg agctgagccg cagctgcaac gacgtggagt tcatcctggt 420
 gatgggcgac gagtcggaga agacgaagga gtcctgaag cgggagaagg tggagaatgt 480
 gcctcacttc agcttctaca agagcaagga gacgatcacg aggaggaagg gattggtccc 540
 gacatgctgg taggngatgt gctatactac ggtgacaacc actcttgtgt ggtgcagctg 600
 cacaacgt 608

<210> 11188
 <211> 475
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220130a06d1

<400> 11188

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tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttg   60
ggttgttttt ttttttttgg gcccaaaaaa ggggggtatt taacatcccc ctaaaaaaa   120
aaaaaccac cccccattaa tttttttttt tccaaagttt ttaaaaaaac cctcccattg   180
accaattttc tccaacggt ctaagacggg gaaaagttaa attaacgggg gggttattgg   240
aaaaaccccc aatttttttt ccccccccg gggggggcct taaaagaaag caggttcctt   300
ttccaaaaag gttataaaac cggggggggg ggggccacc taaaagaag agaaaataca   360
gggtgggtgt aaaaaaatta atttgggcc ccaacccct ggcccctgga aaattcccca   420
agggggcccc ctttgccaga aaccggcgac cgcctttaa tggtgccacc tttgt       475

```

<210> 11189
 <211> 452
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220130a07a1

<400> 11189

```

gaagattcca atcggagctc agaaaaaaaa gaaaccta atcgccgatcgc gtcgaaagtt   60
cgttgttgtt ctgtgaaatt gccttttttt tttttccgt tctgtgataa ttctgtgaat   120
aataacaata attgtgtgtg ttttgctctt ttaggtaacg tagctgaggt tccttttttt   180
gttataattg ttttgccgtt tgaagatagt cgtttcggtt actgctgcgt tttgtgttta   240
ctgggtgttt aattctgtgc aattttttta ttctacatgt ttgattgttt attttaggat   300
gcgtgatttg tttgttttct atgacttctg agttctggag ttgaaatgtt gtctaacgag   360
tttagaatcc gttgcttttg tggtagctag ccgaacaatt caatgcctga attccaaggt   420
tttgagttgg tttagtgtaa tttacgaaaa cc                               452

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<210> 11190
 <211> 415
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130a07d1

<400> 11190

gggtaactag aaaacttata aatgggggacc caaaaaaaaa gaaacccttt tacccaaatt 60
 ggtaagggaa aaaaaacccg aactttaaca ctgggggggcc ctattccaac tggggggggcc 120
 ccaacaaatt accctcccc cctccaaatt aacttttaag aaaaagaacc ctttttttat 180
 ccctttgaag ggggctcatg gggccctcca aattaaatt ccacggggcc cattccccgtt 240
 cccaaggggc acccatgctt tttcacagcc tttacgaatc acaacaactt taaaagaacc 300
 taagggaggg cttttgacaa aaccaatgaa taatcggggc cccttgctca ccccatgtt 360
 tggcggggat tggaggattt gcaggtcgga ccctcttggg ccccaaatg ggact 415

<210> 11191
 <211> 388
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130a08a1

<400> 11191

gaagatgcca gtccaaactt gcaaaataat taaagctaca cgtcgatcac ttaacaagaa 60
 ctatggtgga ctgtgaaatt gcctttcaaa cttgaaccgt tatgagcaac aagtttgaat 120
 acaagcagca attgggcgtg tgatgcactt tcaggcacac agggctaatt ttcctaaggc 180
 tgaactaaag gagaagctgt ttaagaagaa tgaattgaaa tactgttgta ctgtgtgtgt 240
 cttgaaattt caaacacatt caggaggta ataatacact ggagatggta tgatttatga 300
 tgcagcatat gatggcaaga tatatcatct cagatacaga cttaaatga acggctaacg 360
 acaccaaagt accgaagtta tggaagca 388

<210> 11192
 <211> 320
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130a08d1

<400> 11192

ggggaaggggt gttttccaaa gaaaccaacc ccaatgaaat taaaaccgct tttccaaatt 60
 tacaaagggg aaaaaaaccc cgaccttaaa gggggggggg cctattcctc cttgagtga 120
 ccaacaattt gcaatcccc actccaaatt acccttttaa aaaaaaagg cgttgtcaaa 180
 ccctttgggg ggggcccacc ggggaccaca aaaataaatg tggggtggca ccccccggt 240
 aactatgagc cccctttctt tttcaccgc ttttgctcc acacctcct aaaaggaact 300
 caagggacgg ctcttgaaaa 320

<210> 11193

<211> 536

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220130a09a1

<400> 11193

ctatatgttc cctgcaaga gctgccactg tttatattag ttttaatctg tagcatgatg 60
 ctgcttgccg agttattgca agactaaaaa aggaacgaga tgaagctagg tccttacttg 120
 cacaagcaga gaggcagttc cctggttctg caccaaagtc cataacagca aatgcccccg 180
 tcctgagcaa tgggaaaaga gctgctgagg atgaggatct ggctcctggg gcaaagaaaa 240
 ttcactctgg aatatcttct agcataattt ctgagctaac tgattgcaat gctgctcttt 300
 cccagcagag aaagaagcga cagattcctc caactttggc tcctgtcgaa gctctagagg 360
 catataccca gatatttagt catccctttc aaaaaacaaa caaacaaggc attatatctc 420
 ttgatatact ttattctaag gacttaattg caactggagg tattgataca aatgctgnta 480
 tttttgaccg accatcanga cagatattat ctacactcag tggtcactct aaaagg 536

<210> 11194

<211> 413

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220130a09d1

<400> 11194

ggaaacaaaa ggaattgttt ttcataaaaa gcgggctcct aaaaaaagg ggggggttttc 60
 cccctttttt tttatgggta aaaaaacccc ccggacaaga atggctcccc ccatttaaata 120
 tcccgatcgt aagttttggc ccacaaacca gtttttccac taattaaaca atgggccgtc 180
 caaaattttt tcggggcccc aaaagctttg ggggtttgac cccaaggca aaatttgagg 240
 ctttttttcc ctaaggtgta ccccccctgac caagggctcg tttgtttcc gcccaaagcc 300
 cgaaagacca tttgttcctt cctacatccc caacttgcct tggggggggc cagacctttt 360
 attcaaagaa cccccccctt tctgtaactt tcccaacccc accatggatt ttt 413

<210> 11195
 <211> 538
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220130a10a1

 <400> 11195

ctatatgttc ccctgcaaga gctgccactg tttatattag ccctaactctg tagcatgatg 60
 ctgtttgccg agttattgca agactaaaaa aggaacgaga tgaagctagg tacttacttg 120
 cacaatcaga gaggcagcta cctgaagggtg caccaaagtc cataacagca aatgccaccg 180
 tgctgagcaa tgggaaaaga gctgctgagg atgaggatct ggatcctgat gcaaagacaa 240
 ttcatectgg aatatcttct agcataatat ctgagctaac tgattgcaat gctgctctat 300
 cccagcagac aaggacgcga cagattcctc caactacgga tccgtgacga gctctagagg 360
 catataccca gatatttagc tatccctttc aactgcata cgaacaaggc attatatatc 420
 ttgatattct ttattctaata gactgaaatg caactgaagg tattgatata aatgctgtga 480
 tatatgaccg accatcanga cagatattat ctacactcag tggtcactct aaaagggtg 538

<210> 11196
 <211> 381
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220130a10d1

 <400> 11196

gaaacaaaag gaaccgtttt tcccataag cgggccacta aaaaaagggg ggggctcccc 60

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ccccctttttt ttatatggaa caaaacaccc cgaacaaaaa tagcctcccc catttaattt 120
ccccatagga agttttggcc cacaaaacag gtttccccct aattaaacca tgggggtccc 180
aaaattttttt tcgggccccca aaagccttgg gggtttgatg accaaggcaa aatttgcggc 240
tttctttccc taagggtggc ccccctgacc aagggtttga atgggtgccc cccaaaaccc 300
gaaagaccct ttggtccatt ccccataccc aaattgccct tggggggggc catctgtgtt 360
ttcaaaaaaac cccccccct t 381

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<210>      11197
<211>      541
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220130a11a1

<400>      11197

```

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aaaaatgtca aggaaaaatg taaatcacta attggtaaaa aaaatgtttg ggagtatgtc 60
ttggatgcct ggagaaatct ggtagatagt ctttcggaac aacagtttga tgaatgcctt 120
aagaagtttg aaattgtttg ttcaccttgg ccaatgtgtg ttgcctatgc taacgaaaca 180
tggaataatc cccacaagga aaaatttggtt acaacctaga canataaggt gatgcactta 240
ggaaacacaa caacaaacag ggttgaatat gctcattggg ctttaaaaag agtattacag 300
aatagccttg gagacttatg tagtgtttgg gatgccatgg acaacacgat ctcgctacag 360
cacactgaaa ttaaagcatc ctttgaaaca agtacacatg ttgtagaca tgtttttaaa 420
gttaccttat acaagaggct tcatggaatg gtntcaaggt atgctttaaa ttacattgct 480
gctgagcttg agtgtgtaca ttatgctggc aagaatcctt cttgttgtgg ttgtgtcatg 540
a 541

```

```

<210>      11198
<211>      500
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220130a11d1

<400>      11198

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taacaatcat ataaagcaat taaaaaagat aagatttact gtcactctt aagtatatat 180
tcttttgatg gctttaagta aagcctcttt gttgatgggt ttgattaagt gatcgatcat 240
tccagcttca atggacaata ttgcctcttt cctgtatta gctgttaatg caaagatagg 300
aatgtgaaca ccatgagact tctcaatctc cttatccgt ctggttgact catatccatc 360
cattaccggc atctggcagg ccattaagat gaaatcacat ggacgattgg aagaattcct 420
agttagacct tcttcaactg tctgaaca 448

<210> 11201
<211> 416
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220130b01d1
<400> 11201

gtaaaagata acgagaaatt gcacgatttg aaacatacaa aaccgcgggtt acggatcatc 60
tacaatggaa aatctcctgg cggtagagata taaccgctgg ccggaactca aatttcactg 120
ggagagtgat actatacagg ctacatttc ataattgca gataaatctc cttgtgagca 180
cgcatttggg cagactgagg cttcacatac actcagagtc tcccctgcat gttctcctg 240
cataattaac catctctgga atatcatgtt ttggtgcaag cttatgtgca gaatttttat 300
taaaacctag ggcgttctac ttcaattgtt attggtcagc tgtaaccaca cccacatctg 360
gcgccgtttc tacactcgtg attgtgagaa gatttttctt aacacgggag acaagc 416

<210> 11202
<211> 531
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220130b02a1
<400> 11202

ccaagactgg atgatccaat ttcaaggacc ttgagcagt gttcttcaga tacatttcag 60
atagatggtg catgtgcac tccaatttgc tatgtgtacc tatatagatc tggggcagag 120
gaaggttggg agcctgggaa tgtaaaaatc tatggctaca actcagagcc tgttactttc 180
gatgacaaca cctacatccc aaatggcacg tggaatgggt ataactctgt cgacactgct 240

aatcctgatt ttataagtca gttatttggg tccgaatcca cattgactta tttacatccc 300
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 tacaccttgt gcatatagcc gtgaaagggtg aaacttagta gtagaactct atgcggagag 420
 cagggacatg agatgtgtaa ggtcaaagtc agttactttg agacttggat tttatgcttt 480
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 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130b02d1

<400> 11203

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 agagatctac tactaagtta cacctttcac ggctatatgc aaaagggtgta ttgctatgtg 180
 tgattaagtt aagtgcgtaa cattattaca gcagaaaact aagaacaaag cctagaacca 240
 aactcatgag ccatttctga gggaatagtt ggtgtgaaga agaagaagga ggagtctcgc 300
 acagattata cccataccac gtgccattgg ggatggaggt gttgaaatcg aaagtaacag 360
 gctctgagtt gtagccatag attttcacac tctcaggctc ccaaccttcc tctgccccag 420
 atctatatat gtacacatag catattggag atgcacatgc accatctatc tgaaatgtgt 480
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 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130b03a1

<400> 11204

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 ggtcggcgcg gtgagttccc tgggaccgga agatcgggcc cctcgggtctc tccccatga 180

cgatcggaga agatatcgac aaggaaaccg tcaaggactg gaagggcctc cgcgtcaccg 240
tcaagctcac cgtgcagaac cgtcaggcca aggtcacggt ggtcccatcc gacgtcgcgc 300
tcgtcatcat ggccctcaag gtgcccagac gtgaccgcat gagaacgaag aacatcgagc 360
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<212> DNA
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gtaaattatc caaagcggta aaataacctt acacaaaacg atcgatgggt ccccaaatt 180
gatattaaga agaacacgaa acgatctgaa gaaagacaaa agaaaaagag agaaagagag 240
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tgcaagtcct tgggatcctt tccatcaacg gggcatacga cggagacgca cgtcccgcga 360
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<210> 11206
<211> 556
<212> DNA
<213> Glycine max
<223> unsure at all n locations
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 cccagccatc tatcggatca atgataatct ggaatactct gttgaagttt atgagtggtc 420
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<210> 11207
 <211> 493
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 <213> Glycine max
 <223> Clone ID: jC-gmf102220130b04d1
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 aaagcaaagg ttacatcta cttgctgtat agatgaactg cagtgaagat gaagaaaccc 180
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 tcattgtgtc taaagggacg aacaggaatc tgctttgata aagataagct tgtatatcca 300
 agtttttcgt actcaacttt gaattggaaa accccataga catctggaac cttaaagat 360
 gtgaaataac ggcccttgcc atcagttgat aaagtcttca agacataggg gtcacatg 420
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<210> 11208
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 ctttattgcc accgctcttc tctacgcttt ctcaccaa attaaaacccc ctacggagcg 180
 aattctcggc ggctggttcc gaaagccaca gcggctcccg gggccaagaa gacagaaaag 240
 ccgcacgaga gagtccagcg agtccacagc gtggaggagt tcgagtcggc gctcgaatcc 300
 gccaaagaca ggcttgtggc ggtggaatac gctgccagcg acagcgagga gagcagccag 360
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 gacatgctgg taggcgatgt gctatactac ggcgacaacc actctgggtg gtgcagctgg 600
 acaacgtgga ga 612

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 <400> 11209

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 ttctaaaaaa gggaaaacct taattaaggg ggggtaatg gaaaataacc caaatatatt 180
 ttcccccccc ggggggggac tataaaaaaa aacaagttcc tttttaaaaa aggttaaaaa 240
 acatggggtg gggggggcgg ccctcatgga agagaaaaaa aggttgggga gagagaaaat 300
 taataagggg cccaacccc ttggggcccg gaaaattccc caaagggcc ccctttggc 359

<210> 11210
 <211> 484
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220130b06a1
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catctctcat caccctaaagc agctgcttta ttcccaccgc tcttctctac gctttctcgc 180
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taccggggcc aataagacat agaagccgta cgagagagct cagcaagtcg acagctagcc 300
atattcatag tcggcgctcg aatgcgcaa agacaggctt gtggaggcgg aatacgctgc 360
cagcgacagc gaggagagca gccagatata ccctgtcatg gtggagctga cccgtagctg 420
caacgacgtg gagtccatcc tggatgatga cgactagtgt gagaagacga atgagctcct 480
gaag 484

<210> 11211
<211> 248
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220130b06d1
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<210> 11212
<211> 487
<212> DNA
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tataatttgt ttgccgtttg aagatagtcg ttccggttac tgctgcgttt tgtgttatct 240

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<210> 11213
 <211> 467
 <212> DNA
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<223> Clone ID: jC-gmf102220130b07d1

<400> 11213

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 caacaaatta cccttccctt ctccgaatcc tcttttaaga aaaagaaccc tttttctatc 180
 cctttgaatg ggggtcaatg ggccctccaa atttaaattc cggcgggccc atccacgtac 240
 ccaatggacc cacatgcttt ttcaccgcct tttggaataa caacaacttt aagaaaactc 300
 gagggagggg ttttgacaaa accaaggaaa aattggggcc ctttgccaaa ctttatggtt 360
 gtggtgtatt gaaggaattg gaggtcggac ccttttgagc caaaaaatgg aactggccgg 420
 gggaagtttt accacaatgg ggggaaagga tcccaaccct ttttttt 467

<210> 11214
 <211> 456
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130b08a1

<400> 11214

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 gcaggaagca attggtcggt gatggccctt catccacgca gggcagatgt taccaaggct 180
 gaacttaagg agaagctggc taggatgtat gaagtgaag accctaatac tgtatgtgtc 240

ttcaaattcc gaacacattc tggaggtggc aaatccactg gatatggttt gatttatgat 300
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 cgaggagtag agaaaaccaa cgctaccgat gctgac 456

<210> 11215
 <211> 309
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130b08d1

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 aatggataca taacgtcccc aagccaagtt gcgccttggc caaaaaaagg gtttgttcaa 180
 accttttcat tgtgccccat cgggggggaa aaaaaaaca tgggtcttgt ttagcccccg 240
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<210> 11216
 <211> 461
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130b09a1

<400> 11216

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 cacagattgg ctgggaaaaa cgtgaaaggc ctttcgtcgc aagagtttgc tgtccgtaat 180
 gatttggctc ttgcattgcc acatataatg caggcgatcc cagatggggc tcctcctgtg 240
 ccaatacaga ctggaggctg agcagcttct gcctcccgtc ctgaaattaa gcttgattca 300
 gatgggcatg ttggtgatga atacttccaa caacgtgaac tatcaagtca atttaggcag 360
 gaatatgaaa tgcgtataat gaaacatgac caaggattgg atgcgattgc tgaatgattg 420

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461

<210> 11217
<211> 463
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220130b09d1

<400> 11217

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ttaagcctaa catttgtatt cttaagggca gaggatgcct tgtccacctt agtggcaatc 180
ccgcccataa ggggaacttg tctatccagt tctcattca tatcatgtgc catatttttc 240
aatgtatcca atccttcagc aatcacatcc aatccttggc cctgtttcat tctacgcatt 300
tcatattcct gcctaaattg acttgattgg ccactttgtg ggaagtattc atcatcaaatt 360
cgcccatctg aatcaaactt aatttcagga cgggaggcat aagctgcca ccctccagtt 420
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<210> 11218
<211> 528
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220130b10a1

<400> 11218

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aagtttgaac cagaaactgg agtgaaagct gatgagaaaa caaataccac tgagacaatc 180
tgcacagatc aggaacagct tatagacacc tcaaaagaaa cttccaatgt acgcacatcc 240
gatgtatcta cagtagctag aaccgagaag tcgggttttg aagagcttcc taaagaatta 300
aatgaaatga aaattagaga tgagaaaagc aaaaacaaca gtgaaaagga tatagaagca 360
actgtagtga gtggtaatgg aacagaaaaca ggtcaaataa ttacaactgc cattggcggg 420

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<400>	11221
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<210>	11222
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<212>	DNA
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<400>	11222
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gtcttcagat	gattacaaca	ccaaacacac	ccttaagctt	aacaacagtc	aggcatggat	180
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5134

[illegible]

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<223>      Clone ID: jC-gmf102220130c02a1
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5135

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
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<400> 11227

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 aaaaatggtc aagggtacaa aggtcatagt atgcttgctc ctttcacggc tgggtggcag 240
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 gagccacgcc ttgttgatgc tgccgttgca caactaaaga agttgccatt ttaccattcc 420
 ttttggaatc gaaccacatt accttctttg gatctagcaa aggaactcct agaaatgttc 480
 acagccagaa aaatggggaa aggtttttt ggtaaatagt gatcagaagc caatgacact 540
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<210> 11228
 <211> 483
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220130c03d1

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<210> 11229
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<212> DNA
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<223> unsure at all n locations
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<210> 11230
<211> 549
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220130c04d1

<400> 11230
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ttaaaciaaat atttatacat cgctccttg cttctacaaa attctaaacc ttaaagaacc 180
atattaaaaa ctcgattctc tattcctcct gatgcggcct acgctctata catataaata 240
ctagtataca ttcatatgta ttttttagca aaggttaaga gtagtttaaa aatgctttaa 300

cctttctgaa ttcacttgga tatatcagca cagaatctaa acagagaccc cttttagtat 360
 gtgtgcaatc aatttgagtc atagagaatt taacttttgt tgatgcattg ccatcctoga 420
 caacaaaatc gcttgcgtgg taatagatcc atttacctgg tccgttcaga aaacactggg 480
 atgcaacata ctggccatct gaagtccata gctggaaacg tacaggcttt ttgtcccaac 540
 catgaacat 549

<210> 11231
 <211> 570
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220130c05a1

<400> 11231
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 ggttgatatg atatgatatg gatatcaggg tcaggtcata caccaccatg atgcatcaca 180
 aatgggcaat acattgatcc tattccatgg ccacttgcca aaacaaaacg ctaaaaataa 240
 cattaaaaaa aaagggttaag ctatgcagca gcattcagca gtttcaatgc agtgcattggc 300
 atcatttgtt gaaactaagg actggccacg catttgttga agctttatac aaaatattgt 360
 ggctgaaaga aagataacaa tgtggacttt ttgatggttg tggatgatgag ggttnttggt 420
 ggttaagtga ccagcttcgg ggtccatgta aaaatagcat gacagggact ggaggtgtct 480
 tggttctgtt ggagtgttgg ntgaggggta ctaagtgaag tctaataatg gaaaaaaaaag 540
 ataggttaga tagtgatgtg aataaaaatg 570

<210> 11232
 <211> 485
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220130c05d1
 <400> 11232

caaaacgtta aaaagataaa gtgagcaaaa acaactgaac atgcacaaag tgttgttctc 60

aatgctgaac ttaagctaaa atagctgagt gaacaaattg aattgggaaa agaacaagtt 120
 agcataaacc aaagcctgga ctcatTTTTT attcacaaca ctatcctaac tatcctTTTT 180
 ttccattatt agacctcaac tagaccccct cccaacaac accaacagaa ccaagacacc 240
 tccagtcctt gtcattgtat ttttacatgg acccogaagc tggtcactta caaccaaaaa 300
 cccctcacca ccacaaccat caaaaagtcc acattgttat ctttctttca gccacaatat 360
 tttgtataaa gcttcaacaa atgctgtggc agtccttagt ttcaacaaat gatgccatgc 420
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 tagcg 485

<210> 11233
 <211> 596
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220130c06a1
 <400> 11233

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 tctttcttta actccgtcat cttgttcttc ttgtgctcaa cctctccgaa acctttcact 180
 caagttatgt gcaaaaattc agagcgttgg agttggaaga gaaggtccag cttccgatcc 240
 caaggccggc gtcttactct acaaacctaa atcctacgaa gttctcgta gcgatgccgt 300
 caattccctc tcttatgctc ttcaagacgg aaaacttcgc ctcgaaatcg atttcccgcc 360
 tttgccagc aacatttctt cttatacggg atcttcacat gagttcattg atgccaacat 420
 tcaacttgcc ttgactgttg tacgaaagct caaggaaaag aaggaaacca gagcttgcat 480
 agtattccct gataaaccag aatagcgccg ggctgtcaa tgatcaaagc agctctagat 540
 tcaattgatg gcattaccat aggttcctta gatgatgtcc ctactggacc tatgac 596

<210> 11234
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220130c06d1

<400> 11234

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agatgcccac atttgacatg ttgcaaatta caattgagtt cgtgagggtcc ttacatttct 60
ttgccatgcg tgacatccgt tttcaaacag aaaggggaag actggaaaaa tattacctta 120
cgaaatatta acaaataaaa ataaaaattg ggcagttctg caggaaatgt ctttcttgaa 180
tatacgggag ccatttcaat gactactaca tgcagatgca ataaaacagt ctcttctaac 240
agtgtactac tcaactccgc catgcagaag atacttctga atcaaaatct tcttcccacc 300
acgtgcttgc cttgtagcct cttcgaagaa attctagga acttccctct tcttcttgaa 360
gtcccaagac cctcaacaat 380

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<210> 11235

<211> 379

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220130c07a1

<400> 11235

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ctgtatggat gaatcgatta acagaatatg tgttgaccga gccgatagtg ctgagcgctt 60
aacatacgga atccttgтта tgactcatag actgagcctg actatttata cgcacttccc 120
caggatgctt tgcgcattga gtgtgatcac atgtacaagg ccgacacaac ctatacaacg 180
tgtgagatac tgaaggatgat acggttacgg atgcatcagt catggagtgt gtgcttcaca 240
aacgtggctt tgactaagat tgaagctagc cagctataag catataggct ctggcattga 300
tatggctgct gacacagttg ctgatcatca aacatagacg taatgtgggtc agcttgagca 360
gatccgggta tgataatct 379

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<210> 11236

<211> 320

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220130c07d1

<400> 11236

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gcaaatgcca tttttgggac atcactctct agcaactttt tacaggggca aaagaacatt 60
tggtcccccc gtgtcttcta agggtagcat ggaggaagct gcatccacct gattaccaag 120

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ctacttctgt tatTTTgatg aggcaaggac taacatgctg taccCGgtta cgcttatatg 180
 ctaattctct ttgtggcaaa aataacagga gaaccctttt tcacagattt ggcacactct 240
 gtaaacacca atggcttcgg tcaggcacia atggctattc accccaatgc cccactgacc 300
 catcactttt agattccacc 320

<210> 11237
 <211> 612
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130c08a1

<400> 11237

tggcacceca aataaacaca aacatggacg catcaaaact caatcaattg aagcatttca 60
 tcgaacagtg caagtccaac ccttccctcc tcgctgatcc ttcactctcc ttcttccgcg 120
 actatcttca aagtcttggc gcgaaaactt cctgagtctg cttattccga atcgacgggc 180
 gtggagaggg atgaggacat agaggatctt acggaggagc acgagaaggt agaagaagaa 240
 gaagaagaag aggacgatgt aattattgaa tccgatgttg agcttgaggg tgaaacctgt 300
 gagcctgatg atgatoctcc acagaagatg ggagaccctt ctgtcgaggt tactgaagag 360
 aatcgtgatg catcgagat ggccaaaatt aaagccatgg atgctatttc tgaaggtaag 420
 ttggaggagg cgattgagaa cttaacagaa gctatttcac tcaatcctac ctctgccata 480
 atgtatggaa ctagagccag tgtttacatc aaaatgaaga aaccaatgc tgcgatccgt 540
 gatgcaaagc ctgacttgga gaataatcct gattctggct aaggatacaa atcacgtggc 600
 atagcacgag ca 612

<210> 11238
 <211> 455
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130c08d1

<400> 11238

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 aacacgagct atataggggc acctaagaaa caggactaac aaacggctaa aagtttaatt 120

tattttttcc aggcgacaaa gcctagattt cttagaacat aacacctcac gccacaatta 240
 ttttcttaac gaaacactaa aagaagact atataggcta taatagcaaa gtagcgaccg 300
 aaagaaacac gaagggtgtgt ggtctcaact ctcaaggag aggaagactg ggtccttcac 360
 cgttaccagg acctccgagt cgcgaagcc caccaggccc accgaatcct cc 412

<210> 11241
 <211> 404
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130c10a1

<400> 11241

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 aattggaatt atttgttttc ttattaggcc tctcctgaag ccaaaggaaa tgagatcgga 120
 attcctcggg gaatcccaat tccacattat caagagttaa ggatgcagac acgatcatat 180
 atgaaatgga atcattggga gacttatgta agcctatccc gaagccacac gacatgagat 240
 cggaactcct cggggcattc caatttcacg tctctgggac gtacggaggc atacatgctc 300
 atgtatgagt tgcaactatt tgatcacctt attaggccta tcttgaagtc agtggctatg 360
 aaagcccaat tcatcgctgg gaccgagctt gacaacccta tact 404

<210> 11242
 <211> 564
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220130c11a1

<400> 11242

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 gaattttgaa agtgagtgtg gcgtaccgtg tacgtatctg cagaaagtga atgaatggta 120
 atgggggaag aaggggtgcaa ggtatgtgtt acaggaggca gtgggttacat tgggtcctgg 180
 ctcatcaaga agctactggc caagggttac acagtctcatg caactctcag agacttgaag 240
 aatgagtcaa aggttggcct cttaaagagc cttccacaat cagaaggaaa actggtgctg 300
 tttgaagctg atatttacia cccaaatgat tttgaccttg caattgaagg ctgcaagttt 360

aactttctct ttggagcttc ctgctccacc tggttggaag aagcagttca tcccaaagaa 240
agctggcacc cccaagaaaa atgagattgt gttcactgca gcaacaggag aggagatcca 300
taacaggaag cagctggaaa aatatttgaa agcacaccct ggtgggccag ctgtatcaga 360
atttgactgg ggcactgggtg agacccaag aagatctaca agaattagtg agaaggcaaa 420
ggcagctcct tcatctgtaa gtgagccccc aaagaagcgt actaaaagat catcagcctc 480
acaaaaggaa acttcncagg aagaaaaaga acaggagatn aaggaaaagc ggaatgcaga 540
agctgatgac accactaagg atgataatga t 571

<210> 11245.
<211> 585
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220130c12d1
<400> 11245

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atatcttaca acataatgtt acaatagcaa ctagaagcta cacgtatgtc caatacacc 120
atgaatggta ccttataggg ctatgttcta caattgtata ttgtttcaag aaacaatcag 180
ataaataaca gtaagaaaaa ctaaagtcac cttcaaacac agatctaaag gggtcagaat 240
gagaggagag atgccgagaa cttattaatc tattccctgc tccaggcttt tgacctcacc 300
agttcagctc ccatgatttc cattcacagt caactctgtt tcagccttct tgtttatctc 360
atcaagcttg tgatgttctt caccaatcac ttttgttcct tccatttccc caacttcaaa 420
ttcatgagta cttttgacgt gttcctcttt atccactcct tccacttcaa ccgttttgtc 480
tgcagtagtg catgtttccg atttctctgg ctccccagat ccacgatatt cttttgtctc 540
ttcctgtggg tgctcaatct ttacttcatg ctttctcaga aaaac 585

<210> 11246
<211> 523
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220130d01d1
<400> 11246

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 caaattacac ctgtacttgt gaacccatga acatttagca tatatgaata tgtaagagaa 120
 agagagaaaa cttaagactc ttatgcctta aaaggagtag cacattcgaa gaacattaaa 180
 tatggttgtg gcagagctta atagccacta cccactagaa catgttgatt gttcagagat 240
 catatctgag ctaagcgttg gatatcaaca gggtaagcat ctgatgcaga ttgagcactg 300
 taagctctct gagccacaac aacattgcca gcttcagtag gatgaaaagc atcccaaac 360
 aagtactctc tctgttttg gcatgggtt tgcattggaa gacatgtaat ttgaccattg 420
 ttccttcta cccacagca cccagcattt gtaacactga aaccataggc tgaagggttg 480
 cttataatat atgaaagatg ccataagagt taacatagat gac 523

<210> 11247
 <211> 586
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220130d02a1
 <400> 11247

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 cctaacccta aggtcttctt cgacatgacc atcgccgggc aatctgctgg ccgcatcgtg 120
 atggagctct acgccgacgt tactccccgc accgtcgaga actatcgcg gctatgcacc 180
 ggcgagaagg gcgtaaggcg gagcggcaag cccctccact acaagggtc gtccttccac 240
 cgggtgatcc cgagtttcat gtgtcagggt ggcgacttca ccgtcggaaa cggaaccggc 300
 ggcgagtcga tttatggcg caagtctgcc gacgagaact tcgtgaagaa gcacaccggt 360
 cccggcatcc tctccatggc gaacgccggt cccggaacca acggatctca gttcttcatt 420
 tgcacggaga agacagagt gctcgacgga aagcatgtcg tggtcggaca ggtcatcgaa 480
 ggattgaacg ttgtcaagga catcgagaag gtcggatcca gctacggcag gacctcaaag 540
 cccgttgtca tcgccaactg cggcctaactc tcttagacga cgttga 586

<210> 11248
 <211> 417
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220130d02d1

<400> 11248

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ctcataacag actccattca ctactctat gaaccccaac caaccaacca catgatactg 120
atattgaaaa ggaaagggga aggggtttcga aatgatatcc ttaacaccac aatcccctaa 180
acgacgaccc gagaaagaaa agaagagaaa aaaaaggcaa aaacgacacc gaaagaaata 240
acacagattc agagattaaa gccgcggggtc aacgtcgtct aagagagttg accgcagttg 300
gcgatgacaa cgggcttgga ggtcctgccg gagctggatc cgaccttctc gatgtccttg 360
acaacgttca atccttcgat gacctgtccg aacacgacat gctttccgtc gagccac 417

<210> 11249

<211> 595

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220130d03a1

<400> 11249

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gagtttgatt tgatgaagac aatgctgca aagtcgtata cgccgaagaa ggttgccgcg 120
gaggaaaaaa acgttgaatt ggaagtggg aatagcagta aggacactct tgtgaacgag 180
gaaaggaagg aagtgaagg ctcaagtctg ggttcggttt cgaacaggaa ggacggaccg 240
aggtttaagg atttgggtgg gatgaaggag gttttggagg aactgaagat ggaagtgatc 300
gtgcctttgt tccaccccca attgccaaga cagttgggag tgagaccaat ggctggcatt 360
ttgttgcatg gaccacctgg ctgtgggaag actaaacttg ctcatgcat agctcatgag 420
actggtcttc ctttctatca gatttcagct actgaggtgg tttctggagt ttcaggtgca 480
tctgaagaaa atattagaga gctttttgct aaagcgtaca ggtctgcgcc tgctattgtc 540
tntattgacg agattgatgn cattgcatct aaaagagaga atttgagcgt gagat 595

<210> 11250

<211> 451

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220130d03d1

<400> 11250

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 aaaaattatg tcctgactgc aggaaacatg tacatctcat tacaaaagca aatactctaa 120
 atacttgacg ctcatataaa tgatttcttt caccocatc tttaaaggaa tgtcgacacc 180
 tgctaaaata acaaagtga tgatcatgctg ctcatgctgc tttaaagccc tctgacaaat 240
 gctgataata ctgcttttgc ctgtctgaca cagacggaga cactttactc agtgctacct 300
 caaaatggtg cctcttgatg gtcctcttga tggatcaatgt atcacaagtt gtctcaatag 360
 aggtcaatct ctcttcaaga gcagccattg ctgcttcatt catcaatgca gcaagatctg 420
 cgccacttag gttttcacac gcttccattt t 451

<210> 11251

<211> 71

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220130d04a1

<400> 11251

atatttgagtg attatttcaa taatgggtgg tactcttatt cctggtgaaa ctttgagttc 60
 agtgcttgac t 71

<210> 11252

<211> 71

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220130d04d1

<400> 11252

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 tcaactcaaaa t 71

<210> 11253

<211> 609

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220130d05a1

<400> 11253

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tctttcttta actccggcca tctggttctt ttttttgctc aacctctccg aaacctttca 180
ctcaagttct gtgcaaaaat tcagagcggt ggagttggaa gagaagggtcc agcttccgat 240
cccaaggccg gcgtctcact ttacaaacct aaatcctacg aagttctcgt tagcgatgcc 300
gacaattccc tctcttatgc tcttcaagac ggaaaacttc gcctcgaaat cgatttcccg 360
cctttgcccc acaacatttc ttcttatacg ggatcttcag atgagttcat tgatgccaac 420
attcaacttg ccttggtgtg tgtacgaaag ctcaaggaat agaaggaaac cagagcttgc 480
atagtattcc ctgataaacc agataagcgc cgggcctgtc aattgttcaa agcagctcta 540
gattcaattg atggcattac cataggttgc ttagatgatg tccctactgg acctatgact 600
tcatttttc 609
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<210> 11254

<211> 570

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220130d05d1

<400> 11254

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cgaaatatta acaaataaaa ataaaaattg ggcagttctg caggaaatgt ctttcttgaa 180
tatacgggag ccattcaat gactactaca tgcagatgca ataaaacagt ctcttctaac 240
agtgtactac tcaactccgc catgcagaag atacttctga atcaaaatct tttcccacc 300
acgtgcttgc cttgtagcct cttogaagaa attctagga acttccctct ttttcttgaa 360
gtcccaagac cctcaacaat tcctctttgg cctcgccaag gctgaagcgg tttgcacttt 420
ctgctatgca agcataagaa ccatctgctt gtttaagcat cacctgccaa ggacctgngt 480
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actggcggaa tacagctcca ctgtaattga caatataagg tgctattgca actgtctttg 540
 aatactctct tgattcgatg tagaactctg 570

<210> 11255
 <211> 577
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220130d06a1

<400> 11255

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 tgaataatgt atatgatgat gtacaggatt atgttgagaa cacgaggaat tgtcgtcctc 180
 ctctgccttc aggaaatggg tctcttgatc atcctttatt ggtccaatgt gactctctca 240
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 gttctagtgg agaagctcag agtcgcacag atcgaattgt tttcaaacta tttggcaagg 360
 ctccaaatga tttcccccat gctctccgat cacagatcct taactgggta tcccacagtc 420
 ccacagagat agagagctat ataaggccag gttgtatcat gttgactata tatcttcgcc 480
 tagaaaattc tgcttgggaa gagctatgct acaatctang acccagcttg agaaagcttg 540
 ccgcgtcaaa tgatngtttc tggagaacan gatggat 577

<210> 11256
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220130d06d1

<400> 11256

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 aaatgccggc aagcttacct tattatcttt gcatatacat gaactaataa caccatctac 120
 ctaatatattg ctagatagaa cagtgagcat tttgtgccga acatctgaag tgaaggtaaa 180
 ccttcctac atattttgat gacagctact atcacagatg tatatactta gaactaaaga 240
 ctttcaaacc caaaaaacaa aagtgcaggc ctactgcaaa gaatacctga tataacaacat 300

tagattgacc catactccaa tgattcccag ctgaagggct ggaatacata ataaactttg 360
 ggtgagcttt tgaagagcaa agctacacag acacacacag ctgcaatggc caccattgac 420
 agcattgctg gcctgaaaac cagtgccctt ctcatgccac cataca 466

<210> 11257
 <211> 582
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130d07a1

<400> 11257

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 actatcttca aagtctcggc gcgaaacttc ctgagtctgc ttattccgaa tcgacgggcg 180
 tggagagggg tgaggacata gaggatctta cggaggagca cgagaaggta gaagaagaag 240
 aagaagaaga ggacgatgta attattgaat ccgatgttga gcttgagggt gaaacctgtg 300
 agcctgatga tgatcctcca cagaagatgg gagaccctc tgtcgagggt actgaagaga 360
 atcgtgatgc atcgcatg gcaaaaatta aagccatgga tgctatttct gaaggtaagt 420
 tggaggaggc gattgagaac ttaacagaag ctatttcact caatcctacc tctgccataa 480
 tgtatggaac tagagccagt gtttacatca aaatgaagaa acccaatgct gcgatccgtg 540
 atgcaaatgc tgctttggag aaataatcct tgatctgcta ag 582

<210> 11258
 <211> 455
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130d07d1

<400> 11258

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 aacacgagct atataggggc acctaagaaa caggactaac aaacggtaaa aagtttaata 120
 atttcggtaa gattaaaaat gcaataaaca ttaaataccc gatgccagag ggctggaaag 180
 ttgaagtctc aaataactta caagcatcta aaagtattca cttgggacca cctccaagtt 240

tggatcatcat tttcgcaatt acaggagcta cttttggatt tgattggtgc ttggcaaat 300
 tagcaagggtt cttcataaca tcttgaagag cagccataat ctctggatca ccaaagacg 360
 ccatcagttc agggctactc aagattttgc taaaatcaat gtttccaggc atgccaccag 420
 cccctgggaa tccccaggc atgccaccag ccct 455

<210> 11259
 <211> 613
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130d08a1

<400> 11259

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 tcgaacagtg caagtccaac ccttccctcc tcgctgatcc ttcactctcc ttcttccgag 120
 actatcttca aagtctcggc gcgaaacttt cctgagtctg cttattccga atcgacgggc 180
 gtggagaggg atgaggacat agaggatctt acggaggagc acgagaaggt agaagaagaa 240
 gaagaagaag aggacgatgt aattattgaa tccgatgttg agcttgaggg tgaaacctgt 300
 gagcctgatg atgatcctcc acagaagatg ggagaccctt ctgtcgaggt tactgaagag 360
 aatcgtgatg catcgcagat ggccaaaatt aaagccatgg atgctatttc tgaaggtaag 420
 ttggaggagg cgattgagaa cttaacagaa gctatttcac tcaatcctac ctctgccata 480
 atgtatggaa ctagagccag tgtttacatc aaaatgaaga aaccaatgc tgcgatccgt 540
 gatgcaaatg ctgctttgga gattaatcct gattctgcta aagggatcaa atcacgtggc 600
 ataacacgag caa 613

<210> 11260
 <211> 437
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130d08d1

<400> 11260

caaacgttca aattcactcg ggaaaataac attgcattgt tgacaaagaa acatactacc 60
 aacacgagct atataggggc acctaagaaa caggactaac aaacggtaaa aagtttaata 120

atttcgggaa gattaaaaat gcaataaaca ttaaataccc gatgccagag ggctggaaag 180
 ttgaagtctc aaataactta caagcatcta aaagtattca cttgggacca cctccaagtt 240
 tggatcatcat tttcgcaatt acaggagcta cctttggatt tgattggtgc ttggcaaaat 300
 tagcaagggtt cttcataaca tcttgaagag cagccataat ctctggatca ccaaatacgc 360
 ccatcagttc agggtcactc aagattttgc taaaatcaat gtttccaggc atgccaccag 420
 cccctgggaa tccccca 437

<210> 11261
 <211> 185
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220130d09a1
 <400> 11261

gataactttgg ctgaagcgca gttccacatt gccatgaaat aatgaggcta ctctgttcat 60
 atgtgaattg gaattgtctg atttcttctt tggcctgtcc tgaatccaaa ggaaatgaga 120
 tcgggatatc tccggggcgc cgagctgcga ttcgatatag tgaggtcgtt caaggacgga 180
 agagt 185

<210> 11262
 <211> 209
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220130d09d1
 <400> 11262

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 taattttcaa tttcatacaa gaacactatt gtctccttat ttgtggaaaa tgtggaaccg 120
 gaaagcccag aggagatccc atataaacga gctggaaaca tacacgctcg attgttacta 180
 aacagaggat gagactgtcg ctggtcggg 209

<210> 11263
 <211> 486
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220130d10a1

<400> 11263

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aattgagggg gcatgggaat gccatgcgta cgatatgggc cctgtccgaa tgaacactgt 120
ctatggggcc cgtacttccg aggtgaaatg ctcaagacgt aggcttgctg tggaagcaca 180
catcatcttc ggcttcgaga ccattcctga acagagcgtc gaagcaccaa aggactgcat 240
ccatggcgaa caatatagat cagactccag gacagttaac caacacgctt actgggtatgc 300
cagagacctc taagtccatc ccaaggacac atctgcgttc agtatagatg gcaccgtact 360
ctctaattt gcatgctacg gaatacatgc atatgtgtgc tgaaatataa ctgcctcttg 420
actgatgaat gagtacacaa gggcaacgca gcggcactgc ccgagactct taagaattac 480
aacagc 486

<210> 11264

<211> 368

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220130d10d1

<400> 11264

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tacatgactt gttgacacac agctgaaaca acataaagtg aagcttgtgc ccctatttga 120
acgcgtggta ttacatttag atagatagga gcaagctaga ttgttgagag gagaaggaac 180
tactgactgt agtccagggg attaggaagc tcaaagggcc tgctttggcc tctgtggcct 240
ccgaagagat cgctccattg gtctccaatg atcccaacaa tgttgtatcc ctgccttatc 300
aatttatctg tcgctgctgt taagcatgaa actgcattgg gagagaaagg atcttgtgga 360
tccttgag 368

<210> 11265

<211> 448

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220130d11a1

<400> 11265

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 atgggggaag aatgggtgcaa ggtatgtgtt acaggaggca gtggttacat tggttcctgg 180
 ctcatcaaga agctactggc caagggctac acagttcatg caactctcat agacttgaaa 240
 aatgagtcaa aggctggcct cttaaagagc ctttcacaat cagaacgaaa actgatgctg 300
 ttgggagctg atattttacaa cccatatgat ttgaccttg caattgaagg ctgcaagatt 360
 gtgttacatg ttgctactgc catgatacat gaacctggct cccagtacaa ggatactact 420
 gaagcggcag gagctggaac aaaaagca 448

<210> 11266

<211> 409

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220130d11d1

<400> 11266

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 aagggtgtgat ggagactgat atgacccatc cttctagaca ttgatacaa tcatccaata 180
 gcatctgggg gtgatatttg gttacaaagc cttgtcaca catctttgtt gaggccact 240
 agatatgctt gttcagccca tcttcatatt ttgtttcac atcgaatttt ggacaatgaa 300
 gatcgtaatg atcaccccat cctcttctaa tgaattatat gaacttgac actagatatt 360
 tccactgatc gaggtgcttt ccatgcataa aatatgagct ccacagaca 409

<210> 11267

<211> 518

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220130d12a1

<400> 11267

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ttcagaaggc ttatgttttg attccaatac acgaggagta agttttcttg ttagcattga 120
 actattgttt gtaaatagata attcttgtaa atgggtgagaa gttctttttt gtgctttcct 180
 ttgaattagg tcattatctg aagaaactac tattcacttg acaaaagga ctgttggtgaa 240
 gaatcattta tcaatgttta gatatttgag ctaaaatgtt acctccttat ttcattgtgaa 300
 ctaaatagagc acacttgatt ataagtagtg ggactattat tcaagaaagg acaattattg 360
 ttggaggtat acacaatcgg ttgtagacag aagggtcacc ttatgatatt gtatgctttt 420
 tgggagggaa attttggtga catagaggaa taagatgtac attgtagttt ctaggtcaag 480
 tgccaagtag agttttgagc tatgggtcat ggagtttg 518

<210> 11268
 <211> 553
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220130d12d1
 <400> 11268

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 tgggatgaaa acaacttcca aaaataccgg gtagatttga actctatatt gcctctagtc 120
 gtcagttttg tactgtttcc ccactatac atttgaaaag gttaggaact agagttgttt 180
 gttatttctg cacagccaac tgtagccac cttgcttggt attaaagact gatggactat 240
 ttaccaggtc ataggaaaac tctatccaaa aattaccagc tgaatagctg gcttctgtac 300
 aaggaaaaaa aaaaactggc accaaccata cgaatatcaa cagattgttc gttcaaggaa 360
 atgacaattg caattctgcc atgttaagtc acagaatcct cggtggtctc aacacaatca 420
 gttgcagggc cagtaagaga atccctggca gtctcaacac aatcagttgc agggccagca 480
 gatgatgaag gagaagattc caattacaat tatccgngac tgaattcttg ttttttcta 540
 caagcaactt acg 553

<210> 11269
 <211> 445
 <212> DNA
 <213> Glycine max

[illegible]

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actggaccag	ttggactaaa	aactcactat	tgattcaaga	cacccttttt	tgtttggggc	120
gattaactgt	gtttagccac	ccccttgaac	tccggacatg	acatgcaagc	tcacaatggt	180
ttctatgaac	gccattccta	gtaagattca	caattttaca	ctaccttcct	caatgggtgta	240
cttcagactc	cagttgtcca	caacggggga	atactaaaca	cgcttgtagt	tatacaactg	300
tgcaatttcc	agtatacgca	gttcatttgt	gcatgcgttc	tctgggcaat	gtccagctg	360
aacaatgact	cttaatgata	tcgtgtacaa	gggaggactg	ataatcaacg	ctactacata	420
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<223> Clone ID: jC-gmfl02220130e02a1

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ttacctacgc	tttaaatacc	aatgcgcccc	ccatacaacc	atatttgtaa	ttgtactgtc	180
ctatacattg	atagtgatga	ctgatgaaca	gtggtaacaa	aatctggaca	tgggtaagtt	240
gttgtttttg	attgtttgat	tttttttagg	gttgctgata	tgagacgagg	atgaggagta	300
taacagaaga	tgggttggtg	acaggagaaa	aatctgagtt	ggtggtgact	tgtggtgggt	360
tgacaaaggt	cgagtagggg	tcatgttcgt	tgtgaatggg	attacttgta	gtttcgtatt	420
catcgattgg	gtctgatggg	gttgttcatt	gcctttgcga	gaagtcgggt	gttcaactac	480
aatcgtgaac	caacaagcat	ctaaacaagt	tattttgggtg	atgtgctgag	tgggatgaag	540
ttaagaactg	tagatttggg	tttggggatga	tgatttgaag	aaatgattga	accaagactc	600
tgaaaatat						609

5158

<211> 523
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130e02d1

<400> 11271

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aaaaacaaaa aggttcataa ggatttaaaa cagcatgtca tcacaattgg tgatgcttca   60
ctatagacca cattatcata cctactagaa cactacttca ttgcaaagtc aatggtaaca  120
aactcaata aatctcaaag gaacactaca atgcatacta aaaccttgat catctttcgt  180
tcagggttaa tcttgggatg ttattttgcc attttttttc tcagttcagc aacaacttca  240
aaatttgtct gagtttgatg ttcttctata gccaacatct tcttcaactc catgatttgt  300
tcttcatacc aacaaattct tcatttggtg taaccttcag ctttagcttc ttcatttggg  360
tgacaacaaa tgattcaaat ccacattact tctacaacct acattacttc ccacgccacc  420
attattttca gagtcttggg tcaatcattt cttcaaatca tcatcccaaa cccaaaatct  480
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<210> 11272
 <211> 620
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220130e03a1

<400> 11272

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aaaactcgaa gatcttggtg aggaagccca tggcaaata gcagaacata gtggtggcag  120
atggcacagg gcagaagaac atgccacag gaatagtcct ccataactgc gagatcatgc  180
cggaccctac cctcttggca gaccgcttga gcgtaagac ttacttggcc aggccatgga  240
aggcattctc aagggcagtg ttcatcgaga atgttatcgg ggacttgatt cagccagatg  300
gttatattcc atggaacca attgaaccaa acacacagga ttgctacttc gctgagtttg  360
gcaacactgg accaggttcc gttgctcaag caagagccaa gtttggcaaa ggtctcatta  420
gcaagcagga ggctgcacaa ttactgctg agccttggct ccaagctagc acttggttgc  480
ctgctgctgg cgttcctttc gatgctagct tcaccaaagc ttaaggatcc gagacaaacc  540

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agcatcttga gtgttataat ctcttttata gcttacctaa attaataaaa ctataaacag 600
gaaatcgant acctaatttc 620

<210> 11273
<211> 366
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220130e03d1

<400> 11273

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catcagtcta tggtatatgc atactgaaaa cagagatgaa gtggttgata caaaaaggca 120
taaatacataa atatgaaaag cttattgaat gattacaaat cagctcctca aacaatggag 180
tggctatgtg tgactgcatt gaaattaggg aatcgatttc ctgtttatag gtttattaat 240
ttagggaggc taaaaaagag attataacac tcaagatgct gggttgtctc ggatccttaa 300
gctttggtga agctagcatc gaaaggaacg ccagcagcag gcaaccaagt gctagcttgg 360
agccaa 366

<210> 11274
<211> 617
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220130e04a1

<400> 11274

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tctacgtgaa gatccttgtg tcgcatagag ctagttaaaa tgtctgaggg aaatgcaggg 120
aaaggaaaga gaattggcat cattgggcgt ctacgcctta ttgttggtgg ctatggttgt 180
ggcaatcaca gttgggggtca atctcaatga gaatggttcc aacaatgata cagaggacaa 240
caagaaaaat catgttgttt cttctataaa agccgtccaa accctttgtc atcccacaaa 300
ttataagaaa gaatgagagg aaagccttat agctggggct ggaaatacca cagatccaaa 360
agaacttatc aaaattttct tcaacatcac cattacaaaa attggtgata aactcaaaga 420

aactaatatt ttgcatgagg ttgaagagga acccagagcc aagatggcac ttgaaacatg 480
 caagcaactc atggatcttt ctattgggga attaacaagg tcacttgatg gaatagggtga 540
 gtttaacctc ataaatgttg acaaaatcct catgaatnta aaagtttgct tanttgggcg 600
 gttacatacc aagatac 617

<210> 11275
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220130e04d1

<400> 11275

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 taataaaaaa tgcagttaac actagagtta attaataaaa tgaaaataat taaagaataa 120
 agaagcacia tcattacttt ntaattaatt tatattgctt gattttgcaa ctcattactt 180
 ttattgccaa ttaagtattg tctttttgtg cctatgggtg ttcggcacgc caggaaagca 240
 aggaattccg gtaacctcaa tccaatcagt tccatgaaaa aacttagatg gtgagaacca 300
 acgtgctgct tttgaattga ggttccaaat cccagcccat ttcacacgct tggatttgct 360
 tgaaccgggg ccaatgttgt 380

<210> 11276
 <211> 584
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220130e05a1

<400> 11276

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 ttttccgtca gccttctagg gctttctcga ccgctctgaa ctaccacctt gacacaccgg 120
 acaacaaccc taaacttcca tgggaaattc accgaggcca atcaagcaaa ggttaaggag 180
 attttgtctc actatccatc caactataag caatctgcta caattcctct tttggatctt 240
 gccagcagc agcatgggtg ctggctccct gtttctgcaa tggatgcggt agctaagatt 300

gtagaggttc ctcccatagc ggtctatgag gttgccacat tttactccat gttcaaccga 360
gctaagggttg ggaagtacca tctgttgatt tgtggaacaa caccttgat gataagaggt 420
tcacgaggaa ttgaagaagc cttattgaaa cacttgggag tgaagcgcaa tgaagtaaca 480
ccagatgggtt tggtttctgt tggagaaatg gaatgcatgg gatgctgtgt gaatgctact 540
atgattacag tggccgatta ttcaaattgga tncganggat atac 584

<210> 11277
<211> 526
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220130e05d1

<400> 11277

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cagaaacgca tagataacgc tggtaagtaa taaacaagcc aagaaattta tggatggcgt 120
ttatggaaca aatttttgaa acggaagcca tccaggatga ttcatacaaa aattgggttga 180
gcatctaaca gtctgacaat gtttcaatta aggcaagctc caagacatgc aagcctcaca 240
ttattgaagg caaaaagtat acaacacttc agcaggaatc caggtcacgg cagggaggag 300
gcttgggctc acttaacaaa gtagtggtcc ctccttcagg tccactctta attcggcggn 360
gattttgggt gccgtgcggt ggcttctcac cttttctcag cttttctact atctcaacta 420
ctttctcttg gggttatata ttcaaagtaa ntataagtat atccttccga tccatttgaa 480
atatcgcca ctgtaatcat aggagcattc acacagcatc ccatgc 526

<210> 11278
<211> 597
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220130e06a1

<400> 11278

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actctccctg tggtttttctt gttcttcac caacacctta gagccttcaa gaaaccccc 120

ctacctccag gtcctaaagg ccttccaata attggaaatt tacataaatt agataactcc 180
 attctttgca tgcagctatg gcacctctca aagaaatatg gccctatatt ttcccttcaa 240
 ttaggtttta ggaaaactat tgttatttcc tcaccgaaat tggccaaaga ggtactgaaa 300
 aaccatgacc tagagtttag tggacgacct aaactacttc cccaacagaa attgtcctat 360
 aatgggtcag agattgtggt ttccccgtac aacgaatatt ggagagaaat gagaaaaatt 420
 tgtgttgccc atatcttttag ttcaagcgtg tctctagctn ttcattctata agaaagtgtg 480
 aggtgaagca aatgatcaaa acaatatctg ggcatgcctc ttcttcgggt gttacanact 540
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<210> 11279
 <211> 523
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220130e06d1
 <400> 11279

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 acatccagta aattattatt attattatta ttattattat tattattatt attattatac 180
 gaccaaaaga aaagaaggca ccagaagtac cgcgttcacc acaaacagat acaaagaata 240
 atgccacaaa acaaacaaa acagcacgac tgaaaataat ttacaacac gcctttccga 300
 taatgaaagg actgtacaac ctcttatttt cacttgattt agatcccatc atcatttcca 360
 ccaagaccaa ttaattaaga gatttttgtt tttctgaggt cccacacaaa ctntntcttc 420
 atcctaacca tcctttctat ctactntaat ggctacttct aacatgaatt tgccccttat 480
 ctacttcgta tttaccggtc ttgatatcha aacaaaaaga gga 523

<210> 11280
 <211> 537
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220130e07a1
 <400> 11280

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aatattattg ccgtaagggt cagaggcaca acctgcgttc ttctgtctcg gggattctct 120
tgcgataat gttatccaca agcttttttg catctacagc tcgggcacat gctcctactt 180
atggcattga tttcccatcc ggtagacca ctgcccgtct gtctaattggc tactacatac 240
ctgacttcat cagtctgtca cttggggcct aatccacatt gtcttattta gatcccgagc 300
tctacagtca acgactgctt ggtgggtgcca actgtgcttc tgatggcatt gcaattctca 360
ctgacactgg actccagttt ggcatcataa tctaataata tccacagttg gagtactggc 420
cagaatacca gtagagcgtt agtgctatga tctgacctga gcagactgaa cgcttaataa 480
atggagcatt attcctcagt actattgcag gcaacgacta tgtgaataac tattact 537

<210> 11281
<211> 405
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220130e07d1

<400> 11281

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tgtactgccc aagaaaagggt gaaccaaacc ggggcttacc atcattcatc ctccccaaca 120
ttttaatata ccatccactg acccatcggc gatgagtaat cactatatgt ggcacctaat 180
tcgaacacat ttttgaccaa ataacaggcg ttgggagact tttgcaagac acagaagatg 240
tgcggttaata aacagatgga cacagaccct ggatttatct agatcttagg ccaatgcaaa 300
gccatcatgg tgctgagatt cattgggtac atatgctctg aggcgcctgt cagaatctgt 360
tgaacgattg tctattatc cctttctgct ggatggagag gatcc 405

<210> 11282
<211> 548
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220130e08a1

<400> 11282

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 gagtatgtgc ccattgggtcc tcgattttca aacttgattt ctcagacact gctggttctg 120
 ctcaaacggc tttctccaaa gggggaaaaa actcatgggtt attggcacag catgtgaact 180
 agatttcttg gaatcaattg gattgtgcga taccttctct gttacttacc atattcctac 240
 cttgaacaca acggatgcaa agaaggtcct agaacagtcg aatgtgttta ctgatgaaga 300
 tattgattct gctgcagagg cgttgaatga tatgcctatc aggaaactat acatgctgat 360
 cgagatggca ggcgatggcg agcatgggtg atctgcagaa gccatctttt ctggcataga 420
 gaagattagt atcgctcact tgtatgattg cctgcangat gttgctaggt tataagttgt 480
 tgtattaagc gctatctaag ttagagtgcga tataatcctt attggagtga aatctttctt 540
 aacagttc 548

<210> 11283
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130e08d1

<400> 11283

cagcacaacc aaacaaacac tgattcaaaa aaatctctgt aactgaaccg gaacaagcaa 60
 tgtaatgaac tgtaaaaaaa agatttcaac tcaataagga ttatatgcac tctaacttag 120
 aaagcgctta atacaacatc ttataaccta acaacatcct ggaggcaatc atagaagtga 180
 gcgatactaa tcttctcttt gccagaaaag atggcttctg cagatccacc atgctcccct 240
 tgcgctgcca tctcgatcaa catgtatagt ttctgatag gcatatcatt caacgcctct 300
 gcagcagaat caatatcttc atcagtaaac acattcaact gttctaggac cttctttgca 360
 tccgttgtgt tcaaggtagg aatatggtaa gtaacaaaag aggtttcaca aaatccaatt 420
 gattccaaga tatctagttc acttgttgtg ccaataacca tgagtttttt ccctttggag 480

<210> 11284
 <211> 549
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130e09a1

<400> 11284

ggagtgcggtc cgaacgagga tccacccccct tccttgacga acacagagac gtgtgttttg 60
gattctatatt gtgccgtggt ttgagattta gatgcaaata aatatatacc ctgtcttggtg 120
ccgtgtcccc ttttaagccaa ttggaattca aacaaagttt cggttatttg tgttcatttt 180
tcttctctca tctttctcta aaacattaat tgaactctcc attccttaaa ttttaccac 240
gagctagtgc cgacacagac aaagcaatgg caaagactga gttagagggtg actgttgaga 300
gcaagaacat agaactaaag cacctgggat ttgtgaggat tgctgctatt caaacttttg 360
cgattgtgtc aaatctgtat gagtacgcac agcagaattc tgggcctttg agatccgctg 420
ttggaacggg tgagaacact gtgaccaccg ttcttggtac tgtctgcaac aaattcaagg 480
actttctctga tgatgtcctg gggttatgttg acacaaagtg gatgaagctt acacaagttc 540
gatgagcat 549

<210> 11285
<211> 392
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220130e09d1

<400> 11285

tttctttagt ttttttatgt tatatTTTTT tttttttttt tttttttttt tttttttttt 60
tttaggggtt gggttttttaa cagggttgca acccccacat ggaggcccaa taaaaagcac 120
tatgccattt tttatttgcc ttccaagggg ggaaggaacc cttataagcc ttagccccc 180
catggagata aatgggattg cctacatggg tttccatggg attaattaca taagcgtacc 240
atgccttaac aggctgaaaa ggatgttttag tcacaacccc cccattttct tgattgtgcg 300
atcccacaaa agagggttac tcataagcaa atttttttga aaaagttaaa ctgaatttta 360
tcagaatcgg atgccgattt taattttggg tc 392

<210> 11286
<211> 478
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220130e10a1

<400> 11286

ggagtatggt ccagagtcca tgtatagagt cttaaagcac tatagcaatg ctaatcaaag 60
aatgccaatc atctacgtaa aactttatat gtaccagatt ttcaggggggt tggcttacat 120
ccacactggt cccaaagttt gccacagaga tttgaagcct caaaatatac tgggtggatcc 180
tcttacacac caagtgaagc tatgtgattt tggaagtgca aaagttctag tcgaagggtga 240
agctaataata tcatacatat gttcacgatt ctatcgagca ccagaactta tatttggggc 300
cacagagtat accagttcga ttgatatttg gtcagctggc tgtgttcttg ctgaacttct 360
tttgggccag ccattattcc ctggcgaaaa tgcagtagac cagcttgtac atattataaa 420
ggtgcttggc acacccaccc gagaggaagt acgctgtatg aatccccaat acaatgac 478

<210> 11287

<211> 515

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220130e10d1

<400> 11287

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gcaccattgc aaatgaggct catattaaca agaggaaaca aatgcccaacc taaaacccc 120
accatctaaa aaactcttat ggaccctccg ctacttccag ccaaggctct agttttcccc 180
aaacagaagc attctgaggg gagacctgcy tgaccatata tgggtcaaata atactatgtc 240
gttggagacg tgtacgatca acaaggctat atatgcgttg cgaagtaaag atccaccaga 300
tggcacatgg gaatcaaaag gcacatatac tgacggatca tctgcagcca tccggcatcg 360
cgaatctcag tctcggtga gctagaaact acattcgcca tgtcacagaa catgggatta 420
agacaaagaa taatggtgcc actttttctt aacttatcag ctagtatata ctatgtcccc 480
taagctatat agtcacgatc ctnccagatg cataa 515

<210> 11288

<211> 514

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220130e11a1

<400> 11288

tccaaacaac cttctttctt tttctgtgat cttttctttc aggttcttaa cttgatcagt 60
 gtgcagtgtc caaatcataa gggtagctgc aaattgcaat ggctaagcat gatgttgagg 120
 gtggttcctt ctctgcaaag gactaccatg atcctcctcc agcaccgttg attgatgctg 180
 aggaactcac acagtgggcc ttctacaggg ctatgattgc tgagttcatt gccacaatgc 240
 tcttccttta catcacagtg ctcaactgtga ttgggttaca gagccagagt gatgtaaagg 300
 ctgggggtga tgtgtgtggg ggagttggca ttcttggcat tgcttgggcc tttggtggca 360
 tgatcttcat tctggtgtac tgcaactgtg gaatctcagg gggtcacata aaccagcag 420
 tgacatttgg gctcttattg gctcgcaagg tgtctntgat tacagcaata atgtacatgg 480
 tggctcagt cttgggagcc atatgtggag ttgg 514

<210> 11289

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220130e11d1

<400> 11289

aagtaaaagc atggttttat atatattttt ttccacgttg agtacaagag attaaattac 60
 ctaaaagaaa atatcacaca ctgaaagaaa ggaaagtgtg tgaaaataact aaagggtatt 120
 taccaatggc tcttgtcttt gaaagaacct tcaatctaca taataggatc aaagaaaagg 180
 ttgcaataaa agcacaagca attgccatta ttgacaatat ttatattatt c 231

<210> 11290

<211> 316

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220130e12a1

<400> 11290

cactaacctt cttctgcttg gaggcgcgat cttttctttc aggtggatcc ggcaaacgga 60
 gtgcaggctc caaaggataa gacccttcgc gcagagccga gacctatcat gaagtttgcg 120

cctccttcgc cgatgcggga gaataccacg taccagctgc atcacggtat tcagcggctg 180
 acgtactcac acacggatgg ttatgcaagg agatgagtgc tgaggacatt gggaggaacc 240
 acctgcccac cataacagcg catactgtga tatgttacac agatccagag tgatgcacag 300
 gctggccaca atcagt 316

<210> 11291
 <211> 415
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220130e12d1

<400> 11291

aatgcatatg ttttaatttc aatagaaaat atgcctccca taaggggtgcg gtaccataca 60
 tgataacatg tatgacatta aaacacccac tcgttacaca ccattgaaat caaagtattg 120
 ctccctctggc tattgaatca aaaagaaacc ccaatcttca tttctgacg aaataatatg 180
 ttttcatgca agaacaagct aattttctta caagacaaca cctcacgcca caattatatt 240
 cttaacgaat cacgtacaga aagacctcta tgaagttata tttggctaac attccagcga 300
 tagaaacagg atggtccaag agcctcactc tcacgggaga tgaagactgg ggccttcacc 360
 gatgccagaa ccgccgagtc cgtcaagggc accacgcaca acaaatactt gcttt 415

<210> 11292
 <211> 485
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220130f01d1

<400> 11292

gattgtaaga tttatttcat ttttttaaaa acaaaagggc tcatatacga gggtgaaaac 60
 acaccatagg cgatcgacat attggggaga gcgctctcac atagtgagac acactatata 120
 tcgatcacct tatctggtaa cagcatatgt ttagtatgga aattgagagt cggaagacaa 180
 tcacttacia taaagtctct agaaggagac acgtatcaat ggcgctttct ataaaccac 240
 gatgaatttt tatgcaataa gctaatttcg gacagtgatt ctaccattta atttatcctt 300
 gcaactccac ctaccaaatt tttctaacga tgatgtgctc ctatacacag cattttttgc 360

aactccacaa tattgacctt aaacaaacaa actgttcata tgtggaaaac cagagggttta 420
 gcgatttcaa ttggtagaca acaaatgatt caaatacaca gtacttgtac aaccacatt 480
 aattt 485

<210> 11293
 <211> 411
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220130f02a1

<400> 11293

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 aacgagaatt actcgatctt tcaacggcac tgccgactct agcccaaac cctatattag 120
 atacctaagg ggcacatgcg gcaatagagg ctttgcgttt actgtgaact acgaactggg 180
 actcgctaca atagcgtcac cgcttgaaga gatcgctgtc gccatccacg gtaaccacgt 240
 caagagaccc tctttatctc tcttgatggg aatatgagtc tgctgctcac tgtgccagca 300
 gtgatgtaaa ctcggtggta agctgagcac gcgcgctgtt cagattgaag cgttactagt 360
 caaccaaagg tgtggcacag atggccacta aacaatatag agagaccgag g 411

<210> 11294
 <211> 389
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220130f02d1

<400> 11294

ggcaggaaca ttgagtccat ttattcggtta gaaccggcag gttctccgga gggacgaggc 60
 aagggtacca tttgggctgc aaactcactg ttgattcaag tagctctttt cgggtccggga 120
 ggataaacgg tgtatagcaa cagacatgat ctactaacat ctcatgcagg cgaaaaatgt 180
 gctctttgag ctccaagcca cctaagatta acatgtttac actacctgtt tcacttctgg 240
 ccttcaaact cgagacttcc atcacggtgg atttctacca catccttgaa cctatacaac 300
 tgggtgcaatt tgcattatac cactttatat gtgcatgctt tctctgggct atagctgcat 360
 ctgtacaatg actagagatg atatctgta 389

<210> 11295
 <211> 616
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220130f03a1

<400> 11295

cttcaatgga atttggcaaa aagtagccat cgccccaacg atcccatttc ccttgacttc 60
 tctacgtgaa gatccttgtg tcgcatagag ctagttaaaa tgtctgaggg aaatgcaggg 120
 aaaggaaaga gaattgccat cattggcgtc tcagccttat tgatggtggc tatggttgtg 180
 gcaatcacag ttgggggtcaa tctcaatgag aatgggtcca acaatgatac agaggacaac 240
 aagaaaaatc atgttggttc ttctataaaa gccgtccaaa ccctttgtca tcccacaaat 300
 tataagaaag aatgcgagga aagccttata gctggggctg gaaataccac agatccaaaa 360
 gaacttatca aaattttctt caacatcacc attacaaaaa ttggtgataa actcaaagaa 420
 actaatatth tgcatgaggt tgaggaggaa cccagagcca agatggcact tgaaacatgc 480
 aagcaactca tggatctttc tattggggaa ttaacaaggt cacttgatgg aataggtgag 540
 tntaacctca taaatgttga caaaatcctc atgaaattaa aagtttggct tagtggcgcg 600
 ggtacatacc aagata 616

<210> 11296
 <211> 453
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130f03d1

<400> 11296

aagtacatat gatttaagct tcactataaa caaagatata cactatggaa ttgcttgaga 60
 taataaaaaa tgcagttaac actagagtta attaataaaa tgaaaataat taaagaataa 120
 agaagcacia tcattacttt ttaattaatt tatattgctt gattttgaaa ctctactt 180
 ttattgcaa ttaagtattg cctttttgtg cctatggtgt ttcggcacgc caggaaagca 240
 aggaattccg gtaacctcaa tccaatcagt tccatgaaaa aacttagatg gtgagaacca 300
 acgtgctgct tttgaattga ggttcacaaat cccagcccat ttcacacgct tggatttgtc 360

tgaaccgggg ccaatgttgt ggtactcggc atagaagcaa gtgtccatac cagaaggacc 420
ctctagtcct tgccatggca aatacccatc agc 453

<210> 11297
<211> 542
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220130f04a1

<400> 11297

tgaacaatgg cgtctctctc tcacctcaac aaactcctct gcatgcccc gctcaactct 60
tcacctctta ttctgccacc acgcagcagc gtcggaattt ggaccaaacc tgtcggaagg 120
ccgaggctac tgggtgcctgt ccgagccggc acgagcgacg acgagtgggg gccggagaag 180
gaggaggcgt acggcggcgg cgtagcgggtg gaggagaaac cgacgaagtc ggagacggag 240
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gcaacgagcg aaacgagagc ggagatcggt gaactcatca cacagctcga ggccaagaac 360
cctaaccctg ttcccaccga cgccttgact cttctaacgg aaatggatct cgcgtatata 420
tccttgacgg ttatntcca ttgttgtaa gtggaacact accattgggtc aaggtagagg 480
aaatatccca gattattgac tcgctgaant ttaccgtcca aaactctggt cagttcgctg 540
gt 542

<210> 11298
<211> 375
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220130f04d1

<400> 11298

gatgttactt gaagttgggt gatgcctttc gattctgctc ataaaccatc acattaacaa 60
ccaaccaaca attcgcaaca cagcattaac aaactgttct acacatgtat cttcaaaatc 120
attgtataaa attcagaccc ttacttatt tataaacata agcctgatat tgaccaccaa 180
agtaaactag ttgttttggc ttatcttggc aaaagagagc ttccttcttt gataagaaca 240

aacacactgc caccatcgcc ccttgagata cgcaattctt cgtcgaggta tgtggtgagt 300
 aaccaggact gagcattgct gttggaaatt gggatcttca agggaggcct acttgaaatt 360
 gttttcacta ccgat 375

<210> 11299
 <211> 620
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220130f05a1
 <400> 11299

aaccctagct ggataggtca aacatcatca tgtcggacga agagcaccat ttcgagtcca 60
 aggcagacgc cggcgcctcc aaaacctacc ctcagcaagc cggcaccatt cgcaagaacg 120
 tgctacatca gtcatcaaag ggacccccctt gaaagggtgt ggaagtttcg acttccagaa 180
 ctggaaagca cggtcacgcc aagtgccact ttgttgaat tgatattttc actgtcaaga 240
 aacttgagga tattgtgccc tcttctcaca actgtgatgt tctcatgtg aatcgtactg 300
 attaccagct cattgatatt gctgaggatg gatttttgag tctgcttact gaaaatggga 360
 acaccaagga tgacctcaag cttcccactg atgagagtct gctcactcag ataaaggatg 420
 gatatgctga gggcaaggat cttcgagtgt ctgacatgtc tgctatgggt gaggaacaga 480
 tttgcgctct gaaggatatt gggccaaaga actagctttt ggtgctggca gcctgtcggt 540
 tctatttaag caaagatcct tatgtaagac tttatattgt attgttcaag acctggctta 600
 tggcttatag aatctagtca 620

<210> 11300
 <211> 509
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220130f05d1
 <400> 11300

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 ctctcctttt ataacaaagt cataggacag catagaaaac cagaaaaaat gtgatatagt 120
 ttctgtgacc acatccataa acaccattgt taagactagt ctgactagaa tctataagcc 180

ataagccagg tcttgaacaa accaatataa aggcttaciaa aaggatcttt gcttaaatag 240
 aaacaacagg ctgccagcac caaaagctag ttctttggcc caatatectt cagggcgcaa 300
 atctgttctt caccatagc agacatgaca gacacaacaa gatccttgcc ctcagcaaata 360
 ccatecttta tctgagttag cagactctca tcagtgggaa gcttgaggtc atccttggtg 420
 ttcccatttt cagtaagcag actcaaaatc catcctcagc aatatcaatg agctggtnat 480
 cagtacgatt cacatgagga acatcacag 509

<210> 11301
 <211> 601
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220130f06a1
 <400> 11301

caacacaaca ttctttcgtg aaactcagaa aaccctaaac ccctctcaaa ccttgtagat 60
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 tccagaatgc caaatccaaa gcacattatt ctgcagagct ttgtcttctt ctgcctgctt 180
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 atcgacccca tctcgctcct caccgcgaac gccatcgaca tctctaccc cgacgtcgag 360
 caccacatcc tcccctccaa gctcttcttg aaaattecca tctctgctc ttgcgtcgac 420
 ggcattegca aatccgtcgc tactcactac aagaccgcgc cctccgacac cctctcctcc 480
 atcgccgacg ccgtctacgc cggcctcgtc tctccgacc agctccgca ggccaattcc 540
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 g 601

<210> 11302
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220130f06d1
 <400> 11302

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 tccagattca cgaatcagtt caagagtaca aaatgaatat cagcaactac gatagacagg 120
 tgcacctgtg acaaacacaa gtagcaggcc aactataccc cccacaaaat tgagaagatt 180
 acaatgccac aggtatcatc aacttgacaa gcaataacac aagtgcattc gtcaaagtgg 240
 gcaatggttt caccaaggag catgcaacag aagccccgga agaaatgccg ctaatagggc 300
 catttgcagg agagaatcct cctggaagcc ccgctgaagg caccagcgag gatttgggtg 360
 atgctggacc agtccatcg aacagtgggtg ctggggcttg tgcaaacac 409

<210> 11303
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220130f07a1
 <400> 11303

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 aagtatgtgc gcattgggtca tcaagtttca aacgtgattt ctcaaactct gctgggtgctg 120
 ctcaaacggc ttggtacaaa ggggaagttt actcgtggat catgtcacag cacgtgaact 180
 aaattgctcg aaatcaatag tatgggtgca taccttgtct gatacttacc atagtcctac 240
 cttgatcaca acggttgcat ataccgaact agaacaggcg attgtgaata ctgatgaaga 300
 tctcgaatct gcttcacatg cgtagcatga tgtgcctatc acgaaactat ccatgttgac 360
 cgagacggca tctcatggcg agcatagtat atctgcagac tccatctacc atggcctata 420
 gaacattagt atagttcact 440

<210> 11304
 <211> 374
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220130f07d1
 <400> 11304

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atagcgctta ttacatgatc ttatcgccga acatcgctct ggaggcaagc ttagttgtga 180
 gcgatactta tcttctcttt gacataaaag atgggttttg gatagccacc atgctcgct 240
 tgcgctgaca tctggagcaa catgtctagt gccctgatag gcatatcagt gatcgccac 300
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 atacggtgtg ttca 374

<210> 11305
 <211> 404
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130f08a1

<400> 11305

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 ctcaaacggc ttgctacaaa gggggagata actcgtggat attggcacag cacgtgaact 180
 aaatggcttg gaatcaatag gatggtgcga taccttgtct gttacttacc atattcctac 240
 cttgatcaca acggttgcaa agaccgtcct agaacagtcg actgtgtata ctgattaaga 300
 tatcgaatct gctgcacatg cgtatcatga tgtgcctatc aggaaactat acatgttgat 360
 gcagatggca gtcattggcg agcatgctat atctgcagac tcca 404

<210> 11306
 <211> 434
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130f08d1

<400> 11306

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 gtaatgaact gttaataaaa gattgcaact caataaggat tatatgcact ctaacttaga 120
 tagcgcttat tacatgatct tatagcctaa caacgtcctg gaggcattca tagaagtgag 180
 cgatactaact cttctctttg ccagaaaaga tggtttttgc agatccacca tgctcgctt 240
 gcgctgacat ctggatcaac atgtatagct tctgatagg catatcagt aacgcctctg 300

tagcagaatc aatattttca taaggtaaca cattcaactg tgctaggacc ttctttgcat 360
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 actccaagaa atct 434

<210> 11307
 <211> 554
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220130f09a1
 <400> 11307

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 atagcggaaa cact 554

<210> 11308
 <211> 338
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220130f09d1
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 agtttaacac ctcgatggag ggttttatatg gatttatgtc ccctcaagaa atttaaaacc 240

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<210> 11309
 <211> 473
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220130f10a1
 <400> 11309

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 tctcttcttg gatttcttgg aggctttgcg tttgccccga catcatatct tttgccctgt 180
 atcatatggc ttaagcttaa aaagcccaag aaatttggct tgtcttggac gattaactgg 240
 atctgcatta ttcttgggtt aatgttgatg atagtatctc caattgggtgc tctaaggaat 300
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 tcccccaaccg attttaaagt tgatgagtga aactaaataa cangaaagca cgcagacatg 420
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<210> 11310
 <211> 369
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220130f10d1
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 aaaagggaaa taagacattg acaaggggac ttgggggtgca ttcacagcac agggaatttt 240
 ctccaattgt tggaaagggg accccttgga gacctggtg tttgtggtac cgcggatcca 300
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gtgcttggg

369

<210> 11311
<211> 572
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220130f11a1

<400> 11311

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ttttcaagtc ttccaaatga tgatctgggt gggatggaat cttgtgttaa agaattagca 180
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aagggaacat gtttgttatt gactaggcta tgctagcaag ggaattgata gttcttgata 480
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atgctangtg aaggggcaga atcatcatat tt 572

<210> 11312
<211> 474
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220130f11d1

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cgaaaacatt atttaaaatt tgcacccctg attctttagt tgagtcacat acaactaaaa 180
atgaaagtct taccatttct cctttgcttg tagcttgcac aatttctgat gatataattg 240
cagcaacttg attgagtttt ccaggagggt tttggcagca tcttttcttc cttctgctga 300
gattcttctt ttgcttcttt ttccttgatt ttttcttca ttttgttcaa ttgccaacaaa 360

cttgtgcttc taagctgaca aatttccgct atgcatcata gctaagtttg atagttcaag 420

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<210> 11313
<211> 557
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220130f12a1

<400> 11313

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cctacgccct tcttaagcaa caattgcaag tggctgctaa atctgaggat tacaaggaag 120

cagctagaat tcgagactcg ttgaagcaat ttgaggacga ggagcctgtt ttgcgtctga 180

ggagactatt gaaggaagca attgctgaag agagattcca ggatgctgct agttaccgtg 240

atgagctaaa caatattgcc ccacactctc ttttaaaatg ttgcagcgat gctacaacat 300

tggaatcag ggttcaagtt aggagtgtat atatagaggg cagaagtcag ccttcaaagg 360

ggctatactt ctttgcatat agaataagaa ttaccaataa ctacagaccac cctgttcaac 420

ttcttagaag gcattggatt ataactgatg ctaatgggag aacggaaaat gtctggngaa 480

ttggagttgt tggatgaacag ccattaatac ttntctggana tagttntgaa tactcttcag 540

catggcccac tgacaca 557

<210> 11314
<211> 359
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220130f12d1

<400> 11314

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cttcggaatg gtgatgagaa tgataataat ttacatgtcg cagaagtgat gcagcagttc 180

aatttcaaat aacacatcct tcattctgtc caagcagaga gagagaaaac ggggcaatgg 240

ccacattgaa tgatcgtgag cctactcttt caaaatggat catctgataa tcaccttcca 300
 ttctaccatt tgggtgtgttc agtgggcatg ctgaagagta ttcaaaacta tttccagga 359

<210> 11315
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220130g01a1

<400> 11315

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 aatcgaatcc aaacccttgt ccttcccatg ccgctttcta gccatattca tcggcttcga 300
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 <213> Glycine max

<223> Clone ID: jC-gmfl02220130g01d1

<400> 11316

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 tttcacagat tagtaatgag atttttcaat aactcaagtg tgaattttta gtaaagagca 180
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aagtgttca ccacacgcta tgtcccaaat ccagaggaaac tagctgcac ttgttatcac 420
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<210> 11317
 <211> 558
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130g02a1

<400> 11317

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 agaaggaaaa tagtaaaact ttcatagtcc aagtccacca ccaaaccaag cttccatat 180
 tccctaccca caaactctgg tacgactcct ccctctcttc catttccacc accgcttctg 240
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 cacagaagct gcaatcactc ggccacgtca tcaactctcat tcccgaacag cttcggtccc 360
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 tccacgagac cgatttcggc tcggatctcg tcatcggagt tatcgacacc ggaatctggc 480
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 gtgcgtcgcc ggacaaaa 558

<210> 11318
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130g02d1

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 acaaacattc ttaattatac aacatgaaag atatacttcc accatacctt tgtctttgat 180
 gataactttc ccccttttg acagcaccac catcacgctc tctctaaca accatccttc 240

ctccagttct tacaaatgga acaccttcac aaacacattc tctattaagc acatagagct 300
 ttttttttatt tttaaaatac gatattatcc aagatggata aatacccaaa atttctacac 360
 ccaaaacctc aatccactaa tccagaggct gctgcatcgt cacaacaagg ggacttgtga 420
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<210> 11319
 <211> 622
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130g03a1

<400> 11319

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 accttggtt aatttcacaa tgggtggctg acaaagcatg tcttcaaaat cactaaacag 180
 tacctggcta atgtgtctct gaagatcaat gtgaagatgg gaggtagaaa cactgtactt 240
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 gcagatgtaa cccaccaga aaatggagaa gactcgagcc cttcaatagc agctgtagta 360
 gcatcccagg actggcccga agtgacaaaa tatgccggtt tggatatgcgc ccaagctcat 420
 aggcaggaac ttatacaaga tttgtacaaa acttggcaag accctgttcg tggcacagtt 480
 agtggtgcca tgatccgaga tttactgggt tccttttagaa aggcaacagg acaaaagcca 540
 ctacgaatta tattttacag ggaccgtgta agtgaagggc aattttacca agttttactt 600
 tatgagttgg atgcgattcg ga 622

<210> 11320
 <211> 468
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130g03d1

<400> 11320

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 ctcaagaact gtaatcatgg atttatcaca ggaaacctac acgactaatg taaaagtaa 180
 tgtgagctga acattgcatt ccatgattgt ttctacttac ctaccatgtt gatgcttgcc 240
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 ctcttcacat tttctttcaa gtctggcaat ggcttgacac tataatcacc agctgctcgt 360
 attgcttttg caccataacc attgccatca cctgcagagc caatggcttg catatctggc 420
 tccatataga aacgtgctcg aaacgtgct aaatgtgcat aatatgct 468

<210> 11321
 <211> 514
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220130g04a1
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 <212> DNA
 <213> Glycine max
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<210> 11323
 <211> 568
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130g05a1

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 ctatgctgga gatgaatggg cgtgggttc 568

<210> 11324
 <211> 446
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130g05d1

<400> 11324

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 tgagttctag acaagcagcc aaatgctcaa cctatgctac tcggcagaaa gctagtagtg 300
 aagatctttt aaagctcaaa tggaaaccct gtatagatgg gtgatatctt ccattgaagc 360
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<223> Clone ID: jC-gmf102220130g06a1

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 cgatgcctaa catggagacc tggactagt agtactagat aggaaatgat acagacagtc 360
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<210> 11326
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130g06d1

<400> 11326

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 cctcaataaa atgtctaaag caaagaccag gacactgcgc tggaatgcct agatcacgaa 180
 tcccgaagaa atctatatag agaaaaacc cacaatccac gcattctaga cctcacactt 240

actacttgta tacatgca

258

<210> 11327
<211> 319
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220130g07a1

<400> 11327

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gaaaaagaag gaaattgttc agacagtcta tctgaggaga gattttcaaa gtttatatatt 180
atgtgcagcc aataataagt tttggcgtga ctgaatgaat atcaccata tattgattga 240
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<210> 11328
<211> 318
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220130g07d1

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acaatttcct tctttttcac atgatacggt agaaaaggag ctctcctcta ttcataaact 240
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<210> 11329
<211> 510
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220130g08a1

Abstract

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<210>      11330
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5188

<223> unsure at all n locations
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<210> 11332
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 <212> DNA
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<223> Clone ID: jC-gmf102220130g09d1

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<210> 11333
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 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220130g10a1

<400> 11333

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 gcttgtgttt gattcatcaa atcatcaaag atgactgtag gggcaggaat atctgttgca 120
 gatgggaact tgatggtgtt ggggaacaaa gtgctgagcc atgtccatga caaggttcctt 180
 gttacccttg catgtggtgg tgctttgctc aatggggcat tcattggggt tcaatcccat 240
 cacaagggtg gccgcacagt cttcccaatt ggcaagcttc aggggttgcg atttatgtgt 300
 gttttccggt tcaagatgtg gtggatgacg cagagaatgg gcacttggtg acaagatata 360
 cncattgaga cgcagttcct gcttcgtgaa gcacacaatg gctctgatat tgaaggagga 420
 ggagaccaag gtgctgctac ctatgcagtt tt 452

<210> 11334
 <211> 439
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220130g10d1

<400> 11334

atcaaataac caattagttc cccattttaa ggatatgcgg gctaatttta atgcatttct 60
 atccgcatat ttcttttcta gcttaacgaa actacaatga acttcttaga aatgaggcat 120
 attgaaacca agagcaacca attcatactg tatgggaacg atgcaaaggc tgcatttaca 180
 ttctgggttaa gtatatcaca aaaaataggt cgagaacttc gtgatattca ttcattgctt 240
 ctggatattc cttacaggga acctgtaaca tttcctgcc a ttgggtctaca tacgctcatc 300
 atattgttgc gaactatgga tacatcaagt ctattactgt aaacccttg atcttgagac 360
 aaagtctctg attcaaaaat caatagaaat gctccattgg tataactctt tctgagggtc 420
 tctcaaatca agaggcacc 439

<210> 11335

<211> 540
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130g11a1

<400> 11335

ctccagtggg ttcttcttct tctattacat caacgtcgtc caagaccatg accatggcca 60
 tggccacgat cctgtccttg ttcaagggtc tcgcggtttc atcggcccta gacatgtcga 120
 taatctcgta cgacaacgcc cagcccgcca cgtcgcgcag cgacgaggag ctgatgtcca 180
 tgtacgagca gtggctagta aagcacggca aggtgtacaa cgcgctcgga gagaaggaga 240
 agaggttcca gatcttcaag gacaacctgc gattcatcga cgaccacaac tccaagagg 300
 accgaaccta caagctcgga ctgaaccggt tcgcggtatc caccaacgag gagtacaggg 360
 ccaagtactt gggaaccaag atcgatccca accggaggct cggcaagacc ccgagcaacc 420
 gatacgcgcc acgtgtcggc gacaaactac ctgaatcggt tgattggagg aaggaagggtg 480
 ctgttctctc agtcaaagac caaggaggct gtgggagctt gtgggcattc tcagcaatcg 540

<210> 11336
 <211> 362
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130g11d1

<400> 11336

cgggcaaadc caaataatgc tgggttggca catagtctac ataacctggg aaactaacag 60
 caatcaaata tggtcgccat ttggaattgg aatttgaata caaataccgt gcatcaataa 120
 tttaacccta tgtacacagc caatatctga ctgaaatttg atacagaata gtttcaattt 180
 gtatcataat aaaagggcac agagaaattt atgtgaagggt aaaggggaag tgtatcagct 240
 ggggtttaaa ttcttcgtct ttcatttact tcataatggg ctcttctctg cacgttcaca 300
 ttctctttat ctgcttaagc actgctgacc ttgttcttac gcccaaaggg ccaatgggggt 360
 tt 362

<210> 11337
 <211> 457
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220130g12a1

<400> 11337

gtgCGgcttc ggggaaatca aggggtgtact tgaagcgtac gaagtacttg cctgatttga 60
 tgggtgattc cctcgagggt taccctcgtc gcgttttcat tgatgtgggg ctgccggaga 120
 aggacggagg gagtggcacc gattggtttc acaagacata ccctacgagg aacaaggact 180
 ttgagatata taagatcgag acggtggcgg aggggtgtcc acagatcgag atgtcagatt 240
 ggttgaggaa gaatgtgagg gaggaagaat atgtggtgat gaaatcagag gctgaggtgg 300
 tggaggagat gatgaggagt aaggccataa tgttggtgga tgagcttttc ttggagtgca 360
 agccacaaca agggaatgtg aagaagaaga atagaagggc ctattgggag tgcttggtct 420
 tgtatgggaa gttaagagat gaaggtgtgg ctgtgca 457

<210> 11338

<211> 396

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220130g12d1

<400> 11338

gggtgtggtt tttctttttt atcttttttt ttttctttt tttttttgtg gaaaaaacgg 60
 ggaaaagtgg taaaaaaccc ccccccccaa aaaaaataa aactttaagg ggccccggga 120
 gaaagataaa aaccggagt tttaaacc cggggggccc ccccccccc ttgataagga 180
 ccaactactt gttcgccct ttttacc ccaaccggg gttcctttta attggatccc 240
 cccttggggg ggaaaaaaaa gttttttaa accccctttt ggggtgtccc ccctgggag 300
 tgaagaaaag accccaccag ggtttgaaaa aaggggcccc ccccaaatt cgcgtgcgca 360
 ccatactag gtttgtggg gccccccct ttattt 396

<210> 11339

<211> 522

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220130h01a1

<400> 11339

gcaaaacctg ggatcaacaa tggcggaat ctccaattcg ccaccgactt caaatcccgt 60
 cgaagaaaac acccaaactc cgaaaaccac gcgaaacaca aaaccggcg tcaaacgcct 120
 catcatcagc gtcactgtgc ttttctcatt catcctaggt tttcctcttc tgtggaaatc 180
 cgtaaataatc taccgcgcgc cgtcccgtt cgatcgagtc gactccttct cctcccaaat 240
 cgaatccaaa ccttgtcct tcccatgccg ctttctagcc atattcatcg gtttcgattt 300
 catggtttca aacggaaatg taggagccgc gattgagaga aaaatgtcgg acctaagtca 360
 cggcgccgat tgcggcggat gtggtggtaa ctactctgtt tccgtggcgg tgggcgtagg 420
 aggcattgat gcggtctatt ttggcngaa gttgcggtgt aatgacgagg atgctgatga 480
 attggtgaag agtgtggtga gtgagtatgg aggaggaat at 522

<210> 11340

<211> 498

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220130h01d1

<400> 11340

ggacgtaa atcatttatt aaaataagaa atctagtcaa tggcatcggg gtcattcaca 60
 acatgatttt agatcacagt agcacgaaga tactagattg atacatttca cagattagta 120
 atgagatttt tcaataactc aagtatgaat ttttagtaaa gagcattttc cctcaatcta 180
 ctcataacta tgggtacaacc aaaagccgcc atgccaacat tgccttgctc caattatata 240
 acatgtcacg taagcatcgt gtcaacattg tcattttcaa cagaattcac aacgcagcag 300
 gtcttgggaa gagaaaggaa ggaggcttta cttgggttga agttgaagtg cttcaccaca 360
 cgctaggccc caaatcccag gaaactagct tcactctgtt atcactgctc aacagattta 420
 tgaaactttt actttgtcct tcgatgccaa gtacttcttt ttttcttgct tgtacctttt 480
 ccattctcgg taagcagc 498

<210> 11341

<211> 513

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220130h02a1

<400> 11341

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gtgcttgaaa ttcttgaaat acgtgactgc cccaaactag agggaagttt gccgaatcac   60
cttctctgctc tgaaaacact tacaattaga aattgtgagc tgcttggtctc ttctctccca  120
acggctcccg ccattcaaag tttggagata tgtaaaagca ataaagtagc actgcatgcg   180
ttacctctct tagtagagac tatagaagta gaaggaagcc caatggtgga gtctatgata  240
gaggccatca ctaacatcca accaacttgt ctccggtctt taacattaag ggattgctcg   300
tcagccgtgt catttccggg tggctgttta cctgaatcac tgaagagtct gtatatcgag   360
gatcttaaaa aactggaatt cccgacgcaa cacaacatg agttactgga aacactgtca   420
atagaaagca gttgtgattc actcacatct cttcattggt tacctttcca atctcagagt   480
tgtcacaatc ggaagtgtga aaatatggaa tat                               513
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<210> 11342

<211> 569

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220130h02d1

<400> 11342

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ctaccgaatt gcaattgtat atttattatg cttttatcaa ttcttacata tgtacatata   60
tatcatatct ttagaataat cataccacta ttaatttata gtacagggga taagagataa  120
gctgaaatca tccaatcttc tgaagttcac ttgtacacct ttctatcctt cacattgtac   180
ccaacgaaaa acctcacaaa taaaaattta gctattgaga aagtgtcaat ttcacgtcaa   240
ttaaatcaaa agttacattc agcactagtt caaatttgaa cttagattca tgggtaggta   300
cagttgctcc gggccaatca accatatctg tatcggtact tcttcgaaac atatatacaa   360
ggccaatttc cacgttgctt ttgataatct gttgattctc tggtagatcat ccttggtggc   420
taaaccatc tatcgtaaac cttaatgccg gggatgtggc aaattttagg ccaaatntga   480
tggtgcttca tgcggcatag tttttccagc aaaggacaat tctttatggt taattttatt   540
agagagtcaa gaagcctttc tccaccata                               569
```

002220"ETFE550

<210> 11343
<211> 429
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220130h03a1

<400> 11343

atcatgccga ccattgaggca gggagcagaa ctaaagcata ggaatgggag ctaacgatcg 60
cactattggc agacaataat gggaggctct atggcgaact gaaacgaact tgcgatactg 120
acctaggctc aacaagacca tgcctgctg acgacgcatg cttcacaat cgctatacag 180
tacctgacta atgctgtctat gaagaccaat gcgcagacga gagcgtcgac aactgtact 240
cgtagatgct gacacgctgc agaataccac tgggctactg acatgaccaa ccatacagat 300
gtggagcgat acgttaccca ccataagga tggagaagac tggagccctc aagtagcagc 360
tggacaagca caatacgact gtctcgaagt gacacaatat gccagcttgg tatgcgcca 420
agctcataa 429

<210> 11344
<211> 339
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220130h03d1

<400> 11344

gaaagggctt tatggtaaaa actgctacaa agattgacac agaattgtgtt ttacaatgct 60
tattttgcc aattatataga atctaattgt gcttgaagga attcatccta agctatgctc 120
taagacctgt attcatggat tcatcacagg aaacctctc gactaatgta catagtgatg 180
tgagctgaac attgcatgcc atgaatgttt gcactgacct accatgtcga agcactgccc 240
tatatatcta ttatttcacc aaggccaagt cactaacctg ctacagagca aacatgacct 300
tattcacatt ttatttgaag aatggctgtg gcttgacac 339

<210> 11345
<211> 614
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220130h04a1

<400> 11345

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ctcgagccgc tcgagccgat tcggctcgag cagctggctc atcaagtcca agaaccaacc   60
taccttttgc aatctcaatt caatggcggt ctctctcatt gcgaagcgct tgctctcctc  120
ttccctcctc tacaggtacc tccttatggc cgggcgcttc cgcttccac cgctctttca  180
acaccaacgc catgcgccag aatgacaacc gcgccgacga ccacagcacc gacatggatc  240
gtcactccga acgctctttc cctagcactg agcgccgcga cgatatcttc tcagatgtgt  300
tggatccatt tgttccgact cggagtttga gccatgttct gaacatgatg gaccagggtca  360
tggacaatgc gatcctctcc gcgtcacgcg gtatcggagc tggcgctgca gtgcgtagcg  420
gatgggacgc gagggataca gaggatgcta tgcactctgcg cgtggacatg cctgggctcg  480
gcaaggacga cgtgatgatc tgcgcggagc acaacactct cattatcaca ggtgaagggtg  540
ctgaagaagg cgatgaagaa tacagcgctc gtcgctacac tagcaggatt gacttgccgg  600
acatagctct acag                                                         614

```

<210> 11346

<211> 361

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220130h04d1

<400> 11346

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cattgacatt taaaattcaa actgcattag actttttaaac aggaggggtca ttcacaactc   60
tatataacaa tgattacaga tacgtttgaa gtttcaaaac caaacacagg aacaatacta  120
ttaagctggt atatgtacta actagattga tcaccaccta ataaacgaaa actaaagagt  180
gggtgctgatg caaaatggcc aaatcagatt gggttgttgt actcaacctt aacactgaac  240
acgtatgtcc tctgttccta cttcattatt ggcacaacga ccttgagcac accgtgcttc  300
atctcagcta tgatcagggc aattttgtag agcttggccg gcaagtcaat tctggtagtg  360
t                                                                           361

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<210> 11347

<211> 607

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220130h05a1

<400> 11347

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ctctaacttt cctgatggtg gtggtgggag gaaccaagct aatcgaaggg aaaatggagt   60
caatcacact gcagagagaa gtcattgctt gtttactcag ccagtttcac agaaaactaa  120
gactaataca acatcttaag ctacaagagt ttcagctggt gcaccccatg gtgctgcaaa  180
tcaatccaat gggaaatcag gtcattgatt tgctggccaa tctcccatag ttagtgtacc  240
taaaagtact tcagctgcta aggacactgg ccatcaagaa aatgtccaac ctcaagcagc  300
tgttgttgca gcagcatcct cccctagtca aacctctggc tcagttacta ccaactgacca  360
aggaaagtct gtgtcaagtt ctgatcaact tcaaacttct gtatccaatg tccattcctc  420
tttggtatct gtagtagcat catctgtctc ccggaatcct ggtgtgagtg gtgcaattag  480
tanggaagtt gggagcaact ggatatctgc cggaccaaat catgttaaag gaaataaagt  540
tggtcatgaa gttaatggat tatcggcatc caagaatgac aaatatgggt ccatgaattc  600
aacgagc                                           607

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<210> 11348

<211> 511

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220130h05d1

<400> 11348

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gctccaaata aaattgtata attcaatggt ctctgatatc aaaatgtaat atacaggtga   60
gaatttagaa cggaaaaatt ggtaaatctc acctaccaat tcttggttta gtatattatc  120
actaggaatt accaagggtc ttatatagca acaactaaat gttctctcgg gtgaaagagg  180
tgagggataa ataaattgga ggctcaaaaa tagaaggaaa aaaatagaga aaaagaaaaac  240
ctgcaactag cacccttcaa aatcgtttag accaaatatc tccacaaaaa acagttaata  300
atcttcttct tctcattctt tggccacatt tttatttaca cttcagatca ggccagtgtt  360
catacttcct gcatctgagc acaccatgtg tgcatatgaa cattatcgca ccaagaaaat  420
gttttccagc ctaaaaatta gagttccaat tgatctgtgc aggctgaggt ggctgataag  480

```

atcctgaagg ggggcctaca ttttaacagg c

511

<210> 11349
<211> 616
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220130h06a1

<400> 11349

cagctattga acgctcaaaa tctgttgagt cagccattct aggtaaatac aacatttgga 60
ggaaagaaat tgagaatgaa aatgtcgatt ctactgttcg gttgatgcgg gaccagatca 120
ttatggcaag ggtatattta aagcattgca aagatgaaga acaaggtcga actgtacgaa 180
gaactaattt accggctcaa agagagtcaa catgcttttag gtgatgcagt ttctgatgcg 240
gatctacatc gcagtacaca tgggaaaata aaggctatgg gtcaagttct atcaaaagca 300
agagagcaat tgtatgactg caacttggtc actggaaaac taagagcaat gctacagaca 360
gctgatgatc aagttaggag tttgaagaaa cagagcacat tcctcagtca gttggctgcc 420
aagaccatac caaatggaat tcattgctta tctttgcgcc ttaccataga ttactatctc 480
cttcctcctg aaaagagaaa gttccctggg agtgagaatt tggagaatcc cagtctttat 540
cactacgcac tgttctcaga caatgtcttg gctgcatctg tgggtgtcaac tcaactttat 600
gaatggcagg atcctt 616

<210> 11350
<211> 507
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220130h06d1

<400> 11350

caaagaatac agaaatatga tatttaattt ctagttctgt ccgagtatca aatcagagta 60
ttgtacaatg aggaggtttt atggtactaa acaaggta ca ctacttttgt accttgctta 120
aaatgggtga ctggggtagt gaacaaatta aatgaattga aagcaagaat cgagggtgga 180
aagagatgat gttgggggac aaatatagat catcattcta gcaaagacgc tgtagttgaa 240
atagccaagc cagaaagggtg atagaaaata tcagagaatt cttctctgta ctttggacca 300

aattatcagt actattcatt tagcttacag tttcaaagat agggatgatt gtacttgaca 360
 tacttggccc agtaagaccg atattttgtc atggcaattt ctaaccatgg tttcatatta 420
 ccattgtagt gtacaactgc tgcattctca atctctgac gatccaaact tggattataa 480
 cccaaaccaa gtacatgcca tgattta 507

<210> 11351
 <211> 512
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220130h07a1

<400> 11351

cttgaccgag tttcgaaacg tcggaaagca gagtattccg ctctgcagt accaatgatt 60
 gagggagcat ctgtccaagt gagaaattgg tcatatggga atttatctaa tagagacgca 120
 cttcgttttt ctctccgtt atgaaatatg ccaatgagag ccatgttgac ttaattgttg 180
 ccgacgttgt tgggtctgaa ggggctgctc cacctgaagt acagattgaa cttttcaatg 240
 ctcttattga tggctgtaca gaagcagtag aactcggaaa tcttgatgca gaggggcctt 300
 tgctggattt tctcggtgta cacagtgaag gcaaatgac tacttaccg tgttcaacaa 360
 cttcaacttt tggcaaagct cattggctga tctgaagac ctattgcaca atttcgtgtg 420
 ctgacatata tcaaaccata aaactgggtc aaagggtgag gatggaatca aattgatgat 480
 gctagattgc ttcttgaata cattaccatg gg 512

<210> 11352
 <211> 457
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220130h07d1

<400> 11352

caaaaattaa agctataatt accacaaaaa tccaatacat tgtttgcta catcaactaa 60
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 agaccctcaa gttgtctata gcaagtgggt aaaactctgc gctttccaag atcttggcca 180
 tgaccctttg cttggccata tcttcgaagg agtcgaaatc aaaacggaaa aggaaacaca 240

ttggcaagac tcggttttaa tctggcatta gatcttcccg gctccagcca tctccaagga 300
 tgtgaacccc aatgtaggga tatttctcat atccgccgat acacacaaaa atgggatccg 360
 caagggctta ttcgcatggg tggaagaaaa aaattccaca cattgtacaa ttgctgaagc 420
 tgtataaatg cagagtgaaa gccaaagcgc cacactc 457

<210> 11353
 <211> 459
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130h08a1

<400> 11353

ctgtaacctt ttctctccgg ttacccaaac cgtaagttgc tgaacatgga cccgcaatcg 60
 ccggttcggg cggaactgga gcctccggtt ccgacggtct cccacggtt cgcgctcaca 120
 tccagttcgc agcggaaaaa tggcgatcgc ggtcgatctg agcgactaga gtgcctacgc 180
 ggtacgctgg gcggagcata actacctgcg accggggcgac gccgcatcc tctgcacgt 240
 gcgtcccacg agcgtcctct acggcgcgga ctggggcttc gtggatctga gcgcggcgga 300
 ggacggcggc gacgaggagt cgcggcgtaa gctggaggac gacttcgaca acttcacggc 360
 gacgaaggcg agcgacctgt cgcatcgct ggtggaggcg cagataccgt tcaagatcta 420
 cattgtgaag gaccacgaca tgaacgagag gctctgatt 459

<210> 11354
 <211> 497
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130h08d1

<400> 11354

aagactgtaa aataagactt tcgttggtac ttaaatttat aatgggattt ccaaccatga 60
 agtggatcaa gagcctccaa atcaatcgtc aaagtagaaa ggtagcacat tcaaccctgg 120
 tcaatgggta ttgaaacact ggagaaacaa acttgtacaa aagcatacaa ttgctaacca 180
 accaaacgac cactttacaa tgtatagttt gttcaacgaa gatacttctc aattctaaca 240
 cattcttctt gatttgacac atgccttgct gctgtgagca gtttctgaag tttgtaggga 300

aatagacatt gctctatact ttcattaagc atctgtgtgc tcatcggaag catcatgata 360
 cacctcatgc tctctctccg gcacaggcgg aagctccacc gggtcccca cctgcacaac 420
 aagaccacca gcaccggtac cgttaccgtt accgttatcg ttctcctcgg tgttgcgcac 480
 aaccacaacg ggacaca 497

<210> 11355
 <211> 593
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220130h09a1

<400> 11355

accatccaca ggcgctttga tttgaagggt tcttcacttg gacgaataac aattaagccc 60
 gagtcggaga ttagtgaaac aactatcctt aaagatctgg atctaaattt catatttcga 120
 ctacaaaaat cttggtttca aggattttgc aggcaaattg atagggactg tgagcttctg 180
 gaacaagagg gaattatgga ctatagcctg ctagtggta ttcatttcaa agatatatca 240
 gaaaatgggtg atcttatttc ttcaagatct catactcttg ctggcgattc agagagtga 300
 ggaactcctt gtatttctag agtagacatg gatcaacttc ttctagatcc taccagttgg 360
 gcgagtatca aattgggggt gaacatgcc acaaggcgtg aaaggacggt gaggagaagt 420
 ggatgtgaat tacaacttgt aggagaacca attggagagt tctatgaggt ggatctgatt 480
 tttggtatca tagacatact tcaagactat gacatcagca agaagctoga gcatgcctat 540
 tagtccattc aatatgaccc aacgtcaata tctgacgtgg atcccagaca ata 593

<210> 11356
 <211> 497
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220130h09d1

<400> 11356

aaaaggattg attatgtaca ctcatcttcc atttctata taataatata catctcaatt 60
 tgatacaaaa tgtattgagt gcttgtcatc tcttcccca tttgggagaa atggaataaa 120
 tatattctag cacaaaattt tcttgcttcc agcatttcat catgtatact atataattac 180

tgccctatat atacatagaa ataagctaata taagatcaaaa gttgaaaaaa atggatttgt 240
 acccaaagtc acatggacct caattgtggt tccaatagtt gaaaaatttc aaggctaccg 300
 aggttgagag tagcgagggt atgaatggaa tgtaacagcc acataattgt gtttggtttt 360
 caagagtctt cagaaaatat tttaaataatg aagtcacgaa aacgccttga atattgtctg 420
 ggatcaacgg cagatattga cgttgggtca tattgaatgg acttataggc atgctcaagc 480
 ttcttgctga tgtcata 497

<210> 11357
 <211> 505
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220130h10a1

 <400> 11357

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 gttgaatgaa ataagtgaga taattcgctt tcccatgtat gctgacagga tcagaattga 120
 tagcaaagcg aatcagcatg ctaatgtcgc aaggcgaagg tgatttggtg gtggtttaga 180
 tcagatcagg gacttttatg ccttcaatct ttacattggt ggtagtgggt gacatcaagt 240
 gaaaacaaga tttcgtgtat accccgatac ttgtctctgg gatttgaatg aaattgtatt 300
 ggttttggct atgtattttg gccatcatcc aaaagatgct tatattatgt agatagttag 360
 tccttgcggt aagtattgct gtgctgctga gctgtatggt gcagttagta cggctcaaatt 420
 tccggcttga atccatttac tatgagatgc cagatcaaga gagttagggtg tagaatctca 480
 natctcaatg tatatcatca atttt 505

<210> 11358
 <211> 476
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220130h10d1

 <400> 11358

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acctgggggtt tgggtgtttgt acatattctt aacttaatcg tgcacatga atatgaggct 120
 agcataactaa cactgattct tttttcacac ccatttatct gaaccttata cattttcacc 180
 tctgtgaatc cgttcacaca attgcctccc ttcacatcct tccagaacaa caacatggta 240
 gattttccaga gctactttta taacgagtag cattgactgg gcttccatca gacgtgctaa 300
 gtaacaaatg tgatgctggc actggtgaca cagccttaac gcatgatgac actttcacat 360
 gcgcaaaaaca ttaaagtga tggaaggctt gctactacta aaattaatat tcacatacag 420
 gggaaattct acccatgtga tggaacttgt ctataagaaa cggctaccct ttgaac 476

<210> 11359
 <211> 553
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220130h11a1
 <400> 11359

agaaccctc tgcttacctg tcatgctttc ttatcctctt gatcattctt ttcccaacct 60
 acgcacgtgc cgacctcccc ggcacgtggg agcttctcgt cccggacgcc ggcacgcct 120
 ccatgcacac cgccgtcacg cggttcaaca cggtggtcct cctcgaccgc accaacaatag 180
 gcccgccccg aaaactcctc ccaaaaggcc actgccggtc ggacaaaaac gacgccgtcc 240
 tgaagctcga ctgctacgcc cactccgtcc acctcgacct tgccaccaac caaatccgcc 300
 ctttaaaaat cctcacgcac acctggtgct cctccggcca gttcctcccc gacggcaccc 360
 tctccagac cggcggcgac ctgcacggcc tcaaaaagat ccgcaaattc tccccgtgcg 420
 acgacgttc gtgtgattgg gaagagctca acgacgtcgt attggccgag ggccgatgg 480
 acgccaccaa ccagatcctc cctgacgggt ctgtcatcat aatcggcgga cgcggtcca 540
 aactgtcga att 553

<210> 11360
 <211> 513
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220130h11d1
 <400> 11360

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 cacaaaccac aatctcagct ttagaatagt ctcttcttaa agctaaccatc gctgatgacc 120
 ctgcggaagg gtagtttctc gggccacctt gtaatttagg gtattcctta acgatgacgt 180
 ggcggttgaa atcgtagatg accgatcttg tgtagcgaa aacaaaaagg tgaccgtttg 240
 ggagaaggcg gacgtagggg taaaggttat ccatttgcgt gtcttccgtt tcggataaga 300
 aaggggaacga aacggcgacg ttttggttggt gtgggaagaa ttcgacagtg ttggagccgc 360
 gtccgccgat tatgatgaca gaaccgtcag ggaggatctg gttggtggcg taccatcggc 420
 cctcgcccaa tacgacgtcg ttgagctctt cccaatcaca cgaagcgtcg tcgcacgggtg 480
 agaatttgcg gatctttttg aggccgtcga ggt 513

<210> 11361
 <211> 570
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220130h12a1
 <400> 11361

agaacccttc tgcttacctg tcagtctttt ttatctctt gatcattctt ttcccaaccc 60
 acgcacgtgc cgacctcccc ggcacgtggg agcttctcgt cccggacgcc ggcacgcct 120
 ccatgcacac cgacgtcacg cggttcaaca cggtagtcct cctcgaccgc accaacaatg 180
 gcccgctccg aaaactcctc ccaaaaggcc actgccggtc ggacaaaaac gacgccgtac 240
 tgaagctcga ctgatacgcc cactccgtac acctcgacct tgccaccaac caaatccgcc 300
 ctttaaaaat actcaccgac acctggtgct cctccggcca gttcctcccc gacggcaccc 360
 tcctccagac cggcggagag ctgcacggac tcaaaaagat ccgcatattc tccccgtgcg 420
 acgacgttc gtgtgattgg gaagagctca acgacgtcgt attggccgag ggccgatggt 480
 acgccaccaa ccagatcctc cctgacggtt ctgtcatcat aatcggcgga cgcggctcca 540
 cactgtcgaa ttctcccacc caacaaaacg 570

<210> 11362
 <211> 461
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220130h12d1

<400> 11362

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agttaccgtg cgccggggtg tcagtactcc gtttcaaaaa cgctccgtat tgtgcacccc   60
cacaaaggac aatctcagct ttagaatagt ctcttcttaa agctaacatc gctgatgacc  120
ctgcggaagg gtagtttctc gggccacctt gtaatttagg gtattcctta acgatgacgt  180
ggcggttgaa atcgtaacat accgatcttg tgttagcgaa aacaaaaagg tgaccgtttg  240
ggagaagggt gacgtagggg taaaggttat ccatttgcgt gtcttccgtt tccgataaga  300
aagggaaacga atcggcgacg ttttgtttgg gtgggaagaa ttcgacagtg ttggagccgc  360
gtccgccgat tatgatgaca gaaccgtcag ggaggatctg gttggtggcg taccatcagc  420
cctcggccaa tacgacgtcg ttgagctctt accaatcaca c                               461

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<210> 11363

<211> 333

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131a01a1

<400> 11363

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ggatctcttc cccgaattcc cggatcatgg aatccattag gatcggggat ttgtatccta   60
ctcaccttgt tgacctgtaa ttagcacctg cgcacccttc cgtattatat cacctacaca  120
gtgggctcca gatgcacctt agcgcgtaca accacctccg tgccagttat gcatgcaacg  180
taccttactc tagtgtgtgg aacctctcat cttgtgggtt tgactcatcc tctggtgtgg  240
ccactggaat gccgaattac aggtccgccg cgttggcaaa gcgtagccac agtttcatcg  300
gtcgtggagc tgctagcacc caccagcatc ttg                               333

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<210> 11364

<211> 457

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131a01d1

<400> 11364

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09531113-032200

cactttgagg tccacttgct agagaaaata catccattca cccgtagcga aaacggggga 120
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 ttctccaag tcttcctga cctagaagtc ggaactcttc gttcaaactct ctggattaac 240
 ctgaactttg gtctctgccca tatcatatct aatcctatcc ctaactataa tattgtgtaa 300
 cgggtgcggat agtacaagca gcctcaccca tgaataaata agttcattaa tcaataaaca 360
 aactatgtcg gaataaccaa gaagcattgt catggcagca gaccttgctg ctcatgctac 420
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<210> 11365
 <211> 583
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220131a02a1
 <400> 11365

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 attgataagg gtgtggctca tgagtctgtt ggagtaaac cagccacctt ggttccaaag 120
 gaaatccctg tgataaaaaa gaaccatgtc ttaaagataa acattgttcc caaagcaaca 180
 gtgaaagaac ataaagatga tgacacaaca caagagttac aagagccaga aaaagatgtt 240
 ccggatccta acaaattttt gactccagat gaattggaga gaggaaagtt gcctcctgag 300
 gaaatcttat ccttccaat gtttaagaac tatacagctg gaaatcctgc tctgtgttg 360
 tatattaaga atttggaaca agatgtgatt gctgatgatt tctattttat atttggtccc 420
 ttggttgga gttattgatgc tgctaagtct ggtcttcaag tcaaactgat gcangaagga 480
 cggatgaggg gtcaagcgtt tataacgttt ccttccattg agttggccca tcatgccttt 540
 gatctagtga atggatatgt attaaaaggg cagcccatga tca 583

<210> 11366
 <211> 295
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220131a02d1
 <400> 11366

002230-ET-1E560

gggcaattac aagccggaac cccctaaaat tcccctggaa aaaaaagggg cccattacta 60
 ggctggaaac caaagatttt ctaaacccaa aggaagggcc ctgccggaac cttgggggcc 120
 aaaaccctaa ttggcccacg ttgggggaac ccaagttccc atattttggg ttcccccgcc 180
 taaaagggac ccaaaaaccc ggggtttccc aaatgcctaa tttaacccaa agggccccc 240
 taagggaagg gccaccct ttaaaaaaa aaggggcct ttaaccacg ttttt 295

<210> 11367
 <211> 619
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220131a03a1

<400> 11367

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 atcgatcgat cgatcgatgg ctctggtcgg agttgaagtg aagcatgcgg cggaggggcg 120
 accggaggag aattgctccg ccaagcccac caagcagggc gagggcctcc gccactacta 180
 ttctcacaac atccacgagc atcagctcct tctccgtcaa aagacgcata acctcaaccg 240
 tcttgaggct cagagaaacg agctcaattc cagggtgagg atgctgcgag aagaattaca 300
 gcttttgag gaaccaggct cttatgttg tgaagttgtc aaagtcattg gcaagaacaa 360
 agtccttgct aaggtccacc cagaggaaaa tatgtcgttg atattgacaa aagtattgac 420
 atntacaaga ttactccatc cactagaagt gcacttcgca acgacaggta tgttcttcac 480
 ttagttctgc caagtaaaag tgatccattg ggtcatctga tgaaaagtga gaaagggtccc 540
 gattctactt acgacatgat tgtggtttag acccagcaaa taaagaaaat aaagagtcac 600
 gagtaccaat caacatcct 619

<210> 11368
 <211> 390
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131a03d1

<400> 11368

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 taagccaaaa gaaaccccat gcccctggaa atggaaaaac cccaagggg gggccgcccgc 180
 ccattttcgc gggaaaataa tgggcccccc aaacctgaaa aaaaaaacc ttccacaact 240
 ttcccaaaga cctggttttt tcaggcccct ttttcaacac cctggcccca gccctttgaa 300
 aaaccccccg ggtcacgggg accctccggt ccctcaaggg aaacattcca cctttggggc 360
 aaacagccct tagttcaacc cccgaggccc 390

<210> 11369
 <211> 575
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220131a05a1
 <400> 11369

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 ttctctcatc ggaggggaaac aatcaataaa agaaaaaaaa aaccacaaaa aagattataa 120
 caaaaaaagt atgaaaggaa aagtactagg ttccgcagtt tctctcatcc tagtggtggg 180
 tgtggttaatt ggcgtgggtg ctgtagttca aagcccaaag ggcgtgaaca acaacaacaa 240
 tggaggagaa ttgaaaacca gcaacagggc cgtgacagcg ttgtgccaag gctcagacga 300
 ccagaaactg tgccacgagg ttctgtcatc ttcgaaacagc acagacccaa aggagtacat 360
 cgcaaccgtg gtgagaacct cgatggcagc gtgatcaagc gttcaacatg agcgacaggc 420
 tgacggtgga acacggcaac agcagcgccg gaatgaagat ggctctggag gattgtaagg 480
 acttgttgca gtccgccatc cacgacctag aggcctcagc cgtggttggtc aaagagagca 540
 gcctacagga cgtgcaccag cgcaccgtcg agctc 575

<210> 11370
 <211> 542
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220131a05d1
 <400> 11370

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 ttttttggca aattaagtag ttccatttaa atagccaaaa gcaaaattcc cattgcttct 120
 cccatcatca gtctatgtta tatgcatact gaagacagag atgaagtggg tgatacaaaa 180
 aggcataaat cataaatatg aaaagcttat tgaatgatta caaatcagct cctcagacaa 240
 tggagtggct atgtgtgact gcattgaaat taggtaatcg atttcctggg tatagt,ttta 300
 ttaatttagg taggctaaaa aagagattat aacactcaag atgctgggtt gtctcggatc 360
 ctttaagcttt ggtgaagcta gcatcgaaag gaacgccagc agcaggcaac caagtgctag 420
 cttggagcca aggctcagca gtgaattgtg cagcctcctg cttgctaata agacctttgc 480
 caaacttggc tcttgcttga gcaacggaac ctggctcagt gttg'ccaaac tcagcgaagt 540
 ag 542

<210> 11371
 <211> 601
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220131a06a1
 <400> 11371

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 gacagccaac acagagaggt acagcaacct agttgtggga ctaaacgaca ccatggaaaa 120
 cctctttgct tccttggaca ggaacgaggc tgagatttcc ccttccacct tgtatgccat 180
 tgcttgtggt atggaaaatg ttcctttcat caatggaagc cctcagaaca cctttgtccc 240
 agggtgatt gatctggcca tcaagaggaa cagtttgatt ggaggagatg actttaagag 300
 tggtcagacc aaaatgaaat ctgtgttggg ggatttcctt gtggggggccg gcatcaagcc 360
 aacatctata gtgagttaca accatctggg caacaatgat ggcataatc tctcagcccc 420
 tcaaaccttc cgctctaagg aaatctccaa gagcaatgtt gttgacgata tgggtcaacag 480
 caacgccatc ctctatgagc ccggtgaaca tccagaccat gtggttgtca ttaagtacgt 540
 gccttatgta ngggacagca agagggccat ggatgagtac acttctgaga tattcatggg 600
 g 601

<210> 11372
 <211> 398
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131a06d1

<400> 11372

ggataacttg atattaattg attacatata tgcatagctg gcctgctctc aaataagtcg 60
 gcaggaacag acatagagag attcaacgat cttcaaattt cacatttgcc agaaatatat 120
 aacagaatag aggggtatgg gatatgagtt aagttttgat cacattgaac tacactatcc 180
 caaaccggta ctcttaagac tttgaacttc acgttgact ctaggatcat gttgtttctca 240
 ggagctcatc caacgacaag cctcatgat gctttgcagc atagcgctgc tgctttgaca 300
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 tgggccaac tgggtggaat gagtggaatt tttcgtag 398

<210> 11373
 <211> 555
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131a07a1

<400> 11373

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 tctcttctc ttctctttcg attcatcct cattcataat cttccaatcc aacaacctca 120
 gcctcacact cacacatata cacatctgaa cgcgtagct cctcccatg gttcaaagc 180
 gcacctcaa ggagctcaag gacttgaga aagaccacc aacttcttgc agcgctggtc 240
 cagtagctga ggacatgttc cattggcaag caacgattat gggctctgct gatagtcctt 300
 atgctggagg tgtattccta gtcactatc actttcctcc ggattatcct ttcaaacctc 360
 ccaagggtgc ctttaggcta aggggtgttc atccgaacat caacagcaat ggtagcattt 420
 gtcttgatat ccttaagaag cagtggagcc ctgcactcac catctctaag gtactgcttt 480
 ctatctgctc attgctgact gatccaaatc ctgatgatcc acttgttccc gaaatcgctc 540
 acatgtacaa aactg 555

<210> 11374
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131a07d1

<400> 11374

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 acatcttggt catgcgttcg catcatgata aaaacatcac agtggctggt gaacatagct 120
 atttttatca aattaagaca cgcgcccttc ctatcccctc ataacaaca taatcttacc 180
 ccagaaaaac aggaagagaa aagctaacc accaaagttt tcatagatgc catccatttc 240
 aatatacatt atctaaacac atatcagccc atggcatact tgtgg 285

<210> 11375
 <211> 549
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220131a08a1

<400> 11375

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 tatttgtggc gctggcgtgg tgaagggttt cgaggggaaa acaaaatacg gtgcgttgaa 120
 tgggtgggtcc aactttgttg cccctgggta caccaagggt gatggtcttg gtgctgagat 180
 tgttggcact ttcaccttg tttacaccgt tttctccgcc accgatgcca aacgtagcgc 240
 cagagactcc cacgtcccca ttttggcacc cttgccaatt gggttcgctg tggtcttggt 300
 tcacttggca accatcccca tcaccggaac tggatatcaac cctgctcgta gtcttggtgc 360
 tgctatcatc ttcaacaagg accttggttg ggatgaacac tggatcttct ggggtgggacc 420
 attcatcggg gcagctcttg cagcactcta ccaccgggtc gtaatcaggg ccattccctt 480
 caagtccaag tgattcaatc aacggttcat gcttatcaag ttgggaacaa caacacaaca 540
 aanatcaag 549

<210> 11376
 <211> 559
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131a08d1

<400> 11376

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atatgactct ggtggtatct ttgattttgc aaattaaatt acacaatcac agccgtacat   60
cacacatgag ttgggcctct tccaacttaa aagcagagga taacattggc ccatgacgag  120
acacatgcac cacctaataa tcataatttt acatctttac atacaaaata caaagacttt  180
aaatttttaa aagaagaaaa gagataaaca gatcatctta atgaaatgaa accaaaaccc  240
acaaacattg gcttgatttt tgttggtgtt gttgttccca acttgattaa gcatgaaccg  300
tttgattgaa tcacttggac ttgaagggaa tggccctgat tacgacctgg tggtagagtg  360
ctgcaagagc tgcaccgatg aatgggtccca cccagaagat ccagtgttca tcccaaccaa  420
ggtccttggt gaagatgata gcagcaccaa gactacgagc aggggtgata ccagttccgg  480
tgatggggat ggttgccaag tgaaccaaga acacagcgaa cccaattggc aagggtgcca  540
aaatggggac gtgggagtc                                           559

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<210> 11377

<211> 512

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220131a09a1

<400> 11377

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tagcaacaaa gcaggccttg ttgtacatta tcttgcttca gtatgttcct agatttctcc  120
gaatggtacc gttgacttca gagcttaaga gaacagccgg tgtctttgct gaaactgcat  180
gggcaggggc tgcataattat ttgctgctat acatgcttgc cagtcataata gttggtgctt  240
tttggtactt gttagctatt gaacgcaatg acacatgctg gcagaaggct tgcagtgaca  300
ttgggtgcaa agaaaatttc ctatattgtg ggaaccggca catggaaggc tatagtgcct  360
ggaataaaac aagtgaagat attcagtcaa ggtgctctgc gatgngtgat cctgcacatt  420
ntgattatgg aattttcggg caagtcttgt cttctggcat catttcatct aagaagttca  480
tctccaatac tgggtactggg tatggtgggg gc                               512

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<210> 11378
 <211> 531
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220131a09d1

 <400> 11378

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 acatgctcgg tggccacag ccaagttggc ttaatgtata atactataat ttacaaggac 120
 acagatgaag agtcattaca agtcttgaaa cccttacaac tgtaaccagg ataattgtat 180
 aatacattgc tttcgacctt tcttcacaaa ttcaatcatc atagtcaacc aaaacaagca 240
 ttttaagaga acacatggaa attttagtca gcatcatccg cagagaagtc aggctcaggg 300
 ggtttctgta gtttcaactaa ctccctggca gtcttgcaa gtcgattgag atgtacacca 360
 cgtagagtgt gcgcagcaaa ctttgaggct aacaaggcag caccaaagct gtaggaactg 420
 ccaccaacat tttcatgagt tccgtctgac tcatcttcct tttgacgaag cttcataatt 480
 ttcttttttg aataccgacg ccatgctgct tgaataaagc atgcagccca g 531

<210> 11379
 <211> 550
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220131a10a1

 <400> 11379

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 ccctgtaagt gacaataaag ctctaaacaa gctgggttcct aatcaggatt gcggttaactc 180
 agccaagact ggtggatttt cagaagagcc agaattattgt gcctgtggaa atgacatctg 240
 ttgtggtcag ggtactctcg aaaataatga taattcaaga ggcagtgcag tgccacagaa 300
 ccaaagcaaa agaaatttca ttggatggat gctgaggaag cgggagcatc tgcacaaaac 360
 ggttgagagt gagcttgctt cgggatctgt taaaaagcaa gaaggaatca tgaggaagtg 420

ggacttcggt gataagggtc ttttgggtgg aatatctatc agcatcttga cgattatggc 480
 tctagtagta gctggtatgt ttagagttat ttggtcccaa taaaggttnt agttnttccg 540
 aatcaatctg 550

<210> 11380
 <211> 502
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220131a10d1
 <400> 11380

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 cttaataaaa tgcgatcaat ttgcacgagc caaaattttg gaacgacaga ttgattcgga 180
 aaaactaaaa cctttttattg ggaccaaata actctaaaca taacagctac tactagagcc 240
 ataatcgta agaggctgat agatattcca cccaaaagaa ccttatgaac gaaggccac 300
 ttctcatga ttcttcttg ctttttaaca gatcccgagg cgagctcact ctcatccgtt 360
 ttgtgcaaat gctcccgctt cctcagcata catgcaatga aatttctttt gctttggatg 420
 tgtggcactg cactgcctcc tgaattatca ttattttcga gagtaccctg accacaacag 480
 atgtcatttc cacaggcaca at 502

<210> 11381
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220131a11a1
 <400> 11381

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 tctcaatgaa ggaaaaattg tcggtcgagc tgtgattgag ataatatagc tctatattcc 180
 cagaaatgct tttctgcagc agcaatagct atgcttttca caccacaaa gatatacatg 240
 ctttgaggtt gcaagggtgtt ggtaccctga gaacataaat aaatagatgt cttctgatgt 300

ttcattgcag gggcatgttc aaatgaaaac tgtttttctt tttgtgcatt tctttgcttc 360
 taactcatgt aatcaggtag gtacaccaag gtgaagaata atagtctctg aatgctc 417

<210> 11382
 <211> 401
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131a11d1

<400> 11382

gagcattcag agactattat tcttcacctt ggtgtaccta cctgatttca tgagttagaa 60
 gcaaagaaat gcacaaaaag aaaaacagtt ttcatttgaa catgcccttg cgatgaaaca 120
 tcagaagaca tctatttatt tatgtttctca ggggaccaac accttgcaac tccaaagcat 180
 gtatatatttg tgggggtgtga aaagcataac tattgctgct gcataaaaac atttctggga 240
 atatagagct atattatctc aatcacagat cgaccgacaa tttttccttc attgagatct 300
 tggaatgctt ttcccgctc ctcaaaagtg tatgttcttg aaacagcatg gccaagactg 360
 aagatacctg tttctgccag tctaattaac tttggaagat c 401

<210> 11383
 <211> 576
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220131a12a1

<400> 11383

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 gagaaatact aaatcggtcc atatcgaatc cagaattttg gttcttttca aaatttgtga 180
 tatttttatga cgcataatagg ggtaactcgc aggttatacc aatcaaatta cttttttttt 240
 cttctaattgt aaatcaaaat gttagtgaat ataaaaagaa cattactaga aagaaaaaaa 300
 atgaatctct tgaattggag ttagagactc gaaatcgggc aaaagcagaa taccctgatc 360
 aacgaaatct tgaatcatct atctcaaacc aagaaaaaga tattgaaaac gattatgtag 420
 gatcagacag tgaaaagaat agtcagggtg taaagaaaaa gaaagacaag aacaagatgg 480

aggcagaact taatttctta ctaagaaatn ttttgattnt acatttaaatt tggaataatt 540
tcttaggtca aagaatattt aaacatgtca agtata 576

<210> 11384
<211> 586
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220131a12d1

<400> 11384

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gggtatttgtg ataaattttt cgtttattct tttgaattaa tgaaagacct atggtttgat 120
acataaaaaa ttgtttattg ttttttctag acaggcgaac tggttcgata acaaataattt 180
cttttttcat aaatttggtta tttttctttt tccttaagcc tagaagaatt aaattcttct 240
gattttgaat catcataata tctagacctt gttctcctct ttgaatagag gctattgtaa 300
tttctcttaa attttttaat ctaatcagga gacaatatac tttgacattg ttaaataattc 360
tttgacctaa gaaattattc caatttaaatt gtaaaatcaa aaaatttctt agtaagaaat 420
taagttctgc ctccatcttg ttcttgtctt tctttttctt tataacctta ctattctttt 480
cactgtctga tcctacatat atcgtttcaa tatctttttc ttggtttgag atagatgatt 540
caagatttcc gtgatcaggg tattctgctt ttgcccagatt tcgagt 586

<210> 11385
<211> 539
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220131b01a1

<400> 11385

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agggaatatag atggaagctg tgtgtggaag tggaagcagt gtttgggtca catctctcct 120
tacacgctca cccaagatca cactccctct attccacgcc agttaccagc acctaacagc 180
atttccttca caatcccttc ttttctccta tcaccttctt cgctatgcta atgctagaac 240

cctccgcgcc agaacctcct ccaaaccat tttccttccc cacttaattg cttctctgga 300
 acaagttgac cagacttaca ttatggtgaa gcccgcggc gtccaacgtg gcctcgtggg 360
 agaaattatt tctaggtttg agaagaagg gtttaagta actggcttga agctcttcca 420
 gtgctcaaag gaattggccg aggagcatta caaggaccta aaacaaaagt catttttccc 480
 taagctgatt gactatatta cttcangtcc ttgtgtgtgt atggcttggg aggggtgtgg 539

<210> 11386
 <211> 583
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131b01d1

<400> 11386

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 tgtttaaact cgattaatgc agttattgaa cctagaaacg gcaagaatca ttctaattgg 180
 gcatctgtgg tttattattc tctcagccat ggtgattgga ctgggggtcca atcgcatact 240
 tcgccttcct tgaaccatag agctatttca cgcttgccat tctcaggggt gtcactgcc 300
 tgaacaacat tccttctgtt ttgaacagca aggtctcttc ttattgtgcc tgggttcagct 360
 tgaagaggat ctgtagcccc tataagcttg cgtgccgatg ccactactcc aacaccctcc 420
 caagccatac acacaacagg acctgaagta atatagtcaa tcagcttatg gaaaaatgac 480
 tcttgtttta agtcctttgt atgcttctcg gccaatcct ttgagcactg gaagagcttc 540
 aagccagtta cttaaaccct ttttctcaaa cctagaaata ttt 583

<210> 11387
 <211> 400
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131b02a1

<400> 11387

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 tttcgccaaa atttgagcag gggacctctc aaaatattga cgaggtggct catattcctt 120

tggaatatg ggagatcatg caagagtttt tcatcc

337

<210> 11390
<211> 339
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220131b03d1

<400> 11390

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actctccgaa gttctccgcc ttccgatgcg tgagacctaa gccagtctcc ttcttcacct 180
cctttcttctt cccaccggat tgcttagcgg cagggtttttt ggattcagtt ttttttgctt 240
cagttcccgcc catcgtgaag gacgagcacc tgatcccggt gcaaagaagt cgaaggcgat 300
tgaaacgcgc aagagcgatt gtggcgctcac ggttgaccc 339

<210> 11391
<211> 372
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220131b04a1

<400> 11391

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acgggatcag gtgctcgtec ttcacgatgg cgggaactga agcaaaaaaa actgaatcca 120
aaaaacctgc cgctaagcaa tccggtggga agaagaagga ggtgaagaag gagactggct 180
taggtctcac gcatcggaag gcggaagaact tcggagagtg gtattccgag gttgctgata 240
atgccgaaat gatcgaatac tatgatattg ccgggtgcta tattctgagg ccttggccaa 300
tggaatatg ggagatcatg caagagcctt tcatccaga aacagccttc atggcttgat 360
gatctccaaa aa 372

<210> 11392
<211> 339
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220131b04d1

<400> 11392

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aacaaccgga aatatgataa tattcaatca tttgggtatt aacaacaacc taggaataacc 120
actctgcgaa gttatccgcc ttccgatgcg tgagacctaa ggcaggggcc tttttcacct 180
gcttgttctt accaccggat tgcttaccgg gaggtctttt ggattcagtt ttttttgctt 240
caaatcccg ccatagtgaag gacgagcacc tgatcccgtt gtaaaaaagt caaaggcgat 300
tgaaactcgc aagagctatt gtggcctaac cgttgaccc 339

<210> 11393

<211> 557

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131b05a1

<400> 11393

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ctatttccaa caacgccgcc gccgccaccg ccacgtggcc actcccccaa ttcaaacactt 120
gccactttcc gcaactctcca tccattgttc ttcattcttc cctcctcaac atccgcgctt 180
tcaggatcca ctgtgtccct caagaacctc tccccccatt acaacaacaa cccaacacg 240
atcaactttc tcccggaggc gacggaggcc acggtgacgc cggcgggtggc ggaggcggag 300
gcggagatgg aggtgaagga ggaggagacg aagagttcgg acccttggtg aagttcgaag 360
cggttatgag agaattctgaa gctcgtggtg ttaagttgcc tccggatatg gtagaggcag 420
cgaggatcac cggcatccgg gaaatgtttc ttcttcgtta cttggagttg caaggttcgt 480
cttggccact gtcttttctg atgcagcatt gtgctatgct gagaaatcga atgctagctg 540
acccttcttt tcttttc 557

<210> 11394

<211> 95

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131b05d1

<400> 11394

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accacagaaa aataggggac gaggtccaat cgctg 95

<210> 11395

<211> 538

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220131b06a1

<400> 11395

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agtcacact cttcaacccc accattccc ttatccacac ttcaccacac tctatcagac 120

ccaatcctgg tcatgctgct ctctccgac gcgccttcat cgccgtggaa acccccacgg 180

agactgtgaa tctgcacaag gactgttacc gcatcaccga gcccaaattg tatggcgctt 240

cccaagccgt gctctacggc gactgtctct ccgcggacga catggccaaa cccacgccc 300

acgcctgctc agcctggtac gagggcatca cctgcaacat gcaccttctt cacctctccg 360

aggccgttcg cgacagcgct gctgctgctg acatggacac ctcccgcttc acaccgttgg 420

cgtaacgac gccatctaca tgagcaccgg tggcatgtgc tacagccttc agtcagtga 480

cctcattgcc tacaggatcg ataccganat ggcataacac tggtaccatg gcaatatt 538

<210> 11396

<211> 395

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131b06d1

<400> 11396

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ttaaaatcaa gctagtcacg ggcaaggcac tatgcatgag agtcctaagc ctacttttgc 120

agtggccatt tcggtgaatc cttagtgtct actgttgcta actaacaatg gcagctatgc 180

ctgacactag aaacagggta gctctagaaa atcataaata ttaaatagtc actaatcaat 240

agtagcaatc caatttcatt gctgtaaatt ctctgcaatg aggtatggat ttgaattttt 300

accaacttgt actggaaaca caagacaaaa tgtcaccacg gcatactatc agcttttggct 360
ctgccggtat gtctatctac tcggctgtta cgcac 395

<210> 11397
<211> 377
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220131b07a1

<400> 11397

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agtccatact gtttgaacct taggaacgcc tcttcactc tgcagaattc tctatcttaa 120
ttgttcttga cactgcggat ctgatgacc gtgctgtaat tgccaagtct aatgctgac 180
ataatgagct tgagccactt gactgttacg aggaagcaca accctatctc tatggctctg 240
tctgagctgc gctgattctg cgctgcagct gaccagcacg accatgcaaa gatggctacg 300
attccgtact agctttgccc tataccttac caggattcac tcatggcact tgaatctgag 360
atacagcacg ctactgc 377

<210> 11398
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220131b07d1

<400> 11398

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cgccctatgc atgcaatctc taaggttact atagagggtta ccatgagggt gaaacccgat 120
tattgactgt acccaagcaa cagtgggttaa tctgcctgaa tctgggaaca aggtccccgt 180
atataattat aaatggtggc ctgatgctcc taaatggtga tactcatatt gcactgcacg 240
aat 245

<210> 11399
<211> 457
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220131b08a1

<400> 11399

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tggccattag ctttgattct caccgacaagg atttggagtc cgaggaaagc ctgtgggact  120
tgtacgagag atggaggagt caccagacgg ttccgcgaat ccttgggtgac aagctcaagc  180
ggctgaacgt gttcaacgcg aatgtgatgc atgttcataa caccaactca atggataagc  240
cttacaagct gaaactaagc aagtttgcgtg acatgaccaa ccatgaattc aggagtacct  300
atgctggctc acaggttaat caccatagac tgttcataga catgccacgt gggaacggga  360
ccttcattgc tgctacggtt agcagtgttc ctgctacagc ggattgtatg aagacagggtg  420
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<210> 11400

<211> 481

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220131b08d1

<400> 11400

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tctttaggag atgatgaagg tcctgacgga ttattggagg agtttttgat tgggtaggaa  180
gccaacatag ctatgccaca aagaccctcc tttttagata tgttcctttg cattctgatg  240
taaccctgtt ctccccattc tgggtcccaa gagttcctca ctatccagta actagtccca  300
tcaacagttg ctacataccc cacaatcgcc acaccatgat ttagctccgt gctacaatca  360
ccagtaaata ctgcctcgga gtataactgg aaatcagata ccccggcacg aatggcttca  420
gaaacaggtt gggtggcgac agctttgagc aatgcatttt catgggtacc aggtacattc  480
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<210> 11401

<211> 356

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131b09a1

<400> 11401

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 tattcaatgg atgggggaaa tacacaatgg ttacaggcat cctttgtgag gaactcacia 180
 tgcccaacct catggacata tatgatatgc ccagggatat cgctgcctct gaggtgactg 240
 catagaaagc tgtactaagc tgggacgatg acagaacgaa ccatgagatc gagactacct 300
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<210> 11402

<211> 407

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131b09d1

<400> 11402

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 aaaacatcaa tccaaagcta actagaggat gattttgtgg gaagcatata aacttcaaag 120
 ttcatcttta ggagatgatg aatgtcctgt cggattattg gaggagtttt tgattgggtt 180
 ggaagccaac atagctatgc cacaaaggcc ctccttttta gatatgtgcc tttgcatcct 240
 gatgtaaccc tgttctcacg attctgggcc ccaagagttc ctactatcc agtaactagt 300
 accatcaaca gctgctgcat accccataat cgccacacca tgatttatct tcgggctaca 360
 atcaccatga aatactacct cggagtataa ctggaaatca gagacct 407

<210> 11403

<211> 509

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220131b10a1

<400> 11403

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cctccagctg tgaaaattaa tgaaactgac aagatgtggc attaccagga tccatctgga 120
 aaagttcagg gaccattttc catcgtgcaa ctacgcagat ggagtaacac aggatacttt 180
 cctgctgatt tgaggatttg gagaaccact gagaagcacg atgattctat actcttaaca 240
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 catgatgtac attacccatc atcatactct aggaagtctc caccagaagg tatagaaggt 360
 caagtaggag aaagactgtc attagatcag aatgggtggat cttggaattc acatagtact 420
 ctgggttctc cgggacaaac cacagganga agttggagat ctaaagataa tatgaactct 480
 atagctaata gaacttctcc attggcagt 509

<210> 11404
 <211> 342
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220131b10d1
 <400> 11404

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 gatcgacgac tgaçatagat gatggagagc cccgactcgc acaggtgtct cagacctagt 180
 acatgtctac actacgcacg acctctactt cggagagtac tgttccgtgg cctactttct 240
 cctgccacgc tggagcgagt agtacagcaa cgtgagtacc ctgttggccg atgtccccct 300
 cgagacagat gcagtctgct gactcttggg gtccaccgtc tg 342

<210> 11405
 <211> 476
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220131b11a1
 <400> 11405

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 ccttcagctg tgacaattaa tgaacctgaa aagatgtggc atcaccagga tccatctggg 120
 aaagatgagg gaccattctc catcgtgcaa ctacgcacat ggtgtatcac aggatacttg 180

cctgctgatac agaggatttg gagaaccact gagaagcacg atgcttctat gctctcaaca 240
 gatgccttga caggggaattt ttctaaggaa ccatcaatgg tggataaagc tcaatctgtg 300
 catgattcac attacccatc atgatactct aggatgactc cacaacatgg tatccaaagt 360
 cacgttgtag atagactgac atttgatcaa actggtggct catggcattc tcatattact 420
 gtgcgtactg cgggacaagc cacaggagga cagtgaagaa tctaatagac ctacga 476

<210> 11406
 <211> 304
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131b11d1

<400> 11406

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 ctgatgagag ctaaaatact taaccctgtc agtcatcaat caccatcatc actttacact 120
 caatgacaag ctgccacaaa tgccacagat tgtcctgagc acccatgacc cgactatgtt 180
 gcatgtatca aagacgcac cactttatac agaagtcac tgtccggagg ctaatatctt 240
 tctccgcctt atagggtcacg cggcccacgg caagtctaca gtggcgaaag caatatcctg 300
 tgtg 304

<210> 11407
 <211> 574
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131b12a1

<400> 11407

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 acattgaaac ctccgattgc tcttctgcca cgtgtcctcc cttctactat gcttacggcg 180
 acggaagctt catcgcgac ctccaccgag atacactctc catgtctcag ctttttctta 240
 agaacttcac ctccggctgc gccacactg cgctcgccga acccaccggc gtcgcaggtt 300
 tcggtcgggg attactgtcc ctccctgcgc aacttgcgac cttatctccg aacctcggtg 360

accgtttctc ttattgcttg gtctctcact ctttcgacaa agaacgagtt cgcaaaccga 420
 gtccactcat tctcgccac tacgatgatt attccacgag cgtgttgagt ttgtttacac 480
 ctccatgctt cggaatccga agcattctta tttctactgc gtccgactca ccggaatctc 540
 tgtagggaag aggactattc tggccccgga atgc 574

<210> 11408
 <211> 516
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131b12d1

<400> 11408

caaacaaaat aataattatt attattatac acaaaataaa tatcacaaaa ttaaaatata 60
 aaaaaatcta accctgtagt tcacgtttta gttttgacct agtgtcaatt acatacacat 120
 gatcgtggaa ttggggaacg gagcctgaac ccaaaccxaa acccgtcaac ttattttcca 180
 ttacaagat ccgacccgac ccactggcat gggggcagtg atccagtggg aaacagaaca 240
 cagtaacact agtttttgtc acggttgaga ctatcccaa ggcacgcgca ttgcctctta 300
 tcaaaaccca cgcgctgggt ttccaagtca tacacgacct caaatccttg ctgttgatag 360
 ttcccaagta tggccccggg cccaccgctc agttcagtgt catcaccacc gttcattagc 420
 atcagacagc ccaccttcct cctagcctca tcctcacgt ccaagaactc gtaaaaataa 480
 ttcacctag gcagcatcac attggaatta ttcccc 516

<210> 11409
 <211> 564
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131c01a1

<400> 11409

gttcaattat agcttctcat ggaagccctc cgcttcacgc aaaaatgtag tcaagaagaa 60
 cagcttcata tcaagacaga catcgaatga aggacaaagt ttccttccaa aagaagagga 120
 aatgaaatgg gtgttccaga aatttgacac caacaaagat ggcaagggtt ctcttgaaga 180
 gtacaaggct gctgcaaggg ccttgatag ggccattggg gaagctgaag cagtgaagac 240

gtttaggggtc atggacactg atgaagacgg cttcattgac ttcaaagagt tcatgaagat 300
 gttcaatgaa gagggtagga taaaagaaac tgagatcaag aatgcttttc aagtgtttga 360
 tttgaacggc gatgggaaga ttagtgctga ggagttgtcc caagttctca aaaggctagg 420
 agagagttgc agccttagtg cctgtaaaaa aatgggtcaaa ggagtggatg ggaatggaga 480
 tggctctatt gacttgaatg agtttacgag gatgatgatg agtgggaaga tactatgcta 540
 agtattatga ctttggaata taaa 564

<210> 11410
 <211> 521
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220131c01d1
 <400> 11410

aaaaacaaaa catttgcctt atagtaattt atatcagaac attgcacccg attactaaca 60
 aagcaggaca gtcagttaat caccatacat ttaaccaaac tatctataac caatctactt 120
 cacaaaaaaaa gaagagaaac taaatattat aagacacaaa cttaagaaac actaaacaag 180
 gtcggtcctt tatattccaa agtcctaata cttagcctag tttcttccca ctcatcatca 240
 tcctcgtaaa ctcatcgaag tcaataaaac catctccatt cccatccact cctttgacca 300
 tttttttaca ggcaactaagg ctgcaactct ctctaacct tttgagaact tgggacaact 360
 cctcagcact aatcttccca tcaccgttca aatcaaacac ttgaaaagca ttcttgatct 420
 cagttttctt tatcctaccc tcttcattga acatcttcat gaactctttg aagtcaatga 480
 agccgtcttc atcagtggtc atgaccctaa acgctttcac t 521

<210> 11411
 <211> 310
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220131c02a1
 <400> 11411

gttcacttct agctcctcat ggtagcccta cgcttcacgc ttacatgtac tcaagaagaa 60
 cagcttcact ttaagacaga cctcgattga tggacattgc tcacttccaa acaatgagga 120

cacgtattgg gcgttgcaag aattcgacgc ctacatagat ggcgcggctt ctcttgaaga 180
 gttccagggt ggtgcgcggg ccctgcatgg ggccattggg gaagctgaac cagggactgc 240
 gttctgggtc atggacactg acgatgacgg tttgattgag ctgaaagagt tgacgaagat 300
 gctcaatgaa 310

<210> 11412
 <211> 332
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220131c02d1
 <400> 11412

aagagtgatg aatatgattc aaaatacaaaa acgacagccc tatgtaactg ataacgcatac 60
 attgcacaca tgttctagcc aatgatggca acgggataag cgccatgggt ctaaccactc 120
 tatctatatc caactttctt cagcattatc gaagctaaac tcaatttcat tagacagata 180
 ctgacgaacc tccatacaag gtcggacctt tatattccaa agttctaaag acaagccaag 240
 gtacttgccc attgtccaca tcttgacaaa cgtattcaag tcaatcaagc catatggatt 300
 cccatccact gattatgcca gttgtcaaca gg 332

<210> 11413
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220131c03a1
 <400> 11413

ggaacaacct gcagtatgct acttgggatt tttgagattt ccatgctcct accctcatga 60
 aagggatgaa ctgcttctag gtatggaaac tctctcatcc ggatcagcac catgctgcca 120
 agccgtgatc tgaaagtgga tattcggcgt agagagctcg agatcacggc actcaaaaac 180
 ctctctata agaagaactt ggagtgcatt acacaaggac tattgctgcc tgtgcgcttg 240
 tgatattgta tgtgctgg 258

<210> 11414
 <211> 389
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131c03d1

<400> 11414

atataacata aaacgggtgg agattaataa cagtacacta acatgattac ttgaatagga 60
aataaaggta tactatatac acaagaattt aaataagaat ataaaatatac tgagattgaa 120
tactttttat acacactatg aaagacaaga cagattttcta aattaatatt tattgcaaca 180
tgccatatga ctcacccgga gatagacgtt tggctgcca aatattactg aacttgatt 240
gagatactat gaataaactt agcctgttcc aaagtcacaa atctgaagcg agaagactga 300
ccataacaga cttttttcca ccttatattg caaaagctaa ttccgtgtga atacaatgg 360
gccatataat ggctaaaatc ttaaccaat 389

<210> 11415

<211> 225

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131c04a1

<400> 11415

gtaacatccc gcagacttcg acgagcgcag cgagacatgt caactcctat accctcgaga 60
caactatgaa ttgctggcat gtgtacagtc tctctaatacc ggaatcgctc tctgctcctg 120
agctctcatg ctcaagagcg tattcggcgt agacagctcg agattacggc acacagacac 180
cgcgcctgtt cttcagctaa aagagcctga acccagcaca attgc 225

<210> 11416

<211> 137

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131c04d1

<400> 11416

atacattgtt aaataacaga atacaggtgg ggatcaataa caggaaaagg acctgaacaa 60
ctcaaccgga cataaaccag gccatgatac acaagcagcg aaataaaaca gcaacatata 120
cgagactgac tacatgg 137

<210> 11417
 <211> 153
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131c05a1

<400> 11417

gtcacattcc gcagacttcg acgagggctg ggagacatgt caacttctat atcctcgaga 60
 caactatcat gttctggcct gtggacagtc tctctaatacc agaatcgacac tctgctcctg 120
 agctgtcatg ctcatgacct ttttcggcgt aga 153

<210> 11418
 <211> 88
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131c05d1

<400> 11418

atactatatt aacctacact agggggccatt ttacaatcca cggccatccc cacctttctc 60
 ctctatgggt ctctgttctg tattcttc 88

<210> 11419
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131c06a1

<400> 11419

ctcacatgcc gcagactgcg acgaggtctg ggagagatgg caactcctat atcctggaga 60
 cagctatcat gttcgggcct gtggacagtc tctctaatacc agaatcgacac tctgctcctg 120
 agctggtatg ctcatgaggg ctttcggcgt agaccggctg cgattagtg acgcggacac 180
 cgtgcggggtt aggcgggctaa aagagcctgt acccagcaca attgctctga gtgcac 236

<210> 11420
 <211> 97
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131c06d1

<400> 11420

attaacaaac ataggggacg gctacataat aatctccaat tcccactgat caactccaac 60

cgtcaccacc ttatgcttct cacacatgcg gataaat 97

<210> 11421

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131c07a1

<400> 11421

ctcacatgtc gtagacttcg acgagggctg tgagagatgg caaattatat atcctggaga 60

cagctatcat gttctagcat gtggacagtc tctctaatac acaatcgac tctgatcatg 120

atcgggtata ctcatgaact cttttggcgt agacaggtcg cgattaaggg acatagacac 180

cgtgcggggtt atgcgggctaa aagagcctgg atccataaca aatg 224

<210> 11422

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131c07d1

<400> 11422

ggctggggaa aaaaatcaac ccattatga tcccaaagcc accacctgac attgttaaaa 60

gtttctccct tttaaggatg ccattttggg aaaattttcg gaaccctttt gcagaggggt 120

ctggatatag gagcaaaaaa tttttgtaat ccccaaaatc taatccccat tgcgggttac 180

taccctaata gctccaaag gatttccacc cggaccctga caaatgtccc tggaacttta 240

cgcaaaccct tattggt 257

<210> 11423

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131c08a1

<400> 11423

gtcacatggc gtagaatgca acgagtgacg tgagagatgg caacttctat atcctggaga 60
 cagctatcat gttcaagcct gtggacagtc actctaatacc agaatcgacac tctgctcctg 120
 ggctgggtata ctgaagaacg cttttggcgt agaccgctcg cgattaatgg acgcagacac 180
 cgtgcggggtt agtgcgggctt aaagagcctg gatccagaac aaatgctgtg agtgca 236

<210> 11424

<211> 369

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220131c08d1

<400> 11424

aagcattact ttttttagtt tgttcaataa aattgggagg gaaaacataa ttaaatacaa 60
 ttggacctga taaccagaac cgggtgaaaac cgtactaata gtagacatga atattatata 120
 ctaatacgtt gaacatgacc acgtaaaaag gcggatccta cttagagagt atactatcac 180
 agcttggcca tttgtccatt ctgcaatcgc tcggacggca ggccaggccc tgtgttattc 240
 gacacacttt gctttgggtg aacctcagag agcttgcgag aaactgtgat acttatgcgg 300
 cctaagcttg aaaccattgc gatccacggg catatcaggc cagtcttcca atctaggaat 360
 gtgcgacac 369

<210> 11425

<211> 446

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220131c09a1

<400> 11425

gagtctttgt ctggtgctgg gtcagaagct tctgcgacac catcttcagg cgggctaact 60
 cctacagctg ggaaaactaa tgaaactgag atgatgtggc attaccagga tccatcgga 120
 taagtgcagg taccatttac catcgtgcag ctacgcacat ggagtaacac acgatactta 180
 gctgctgatt agatgatatg gagaaccact gagacgcatg acgaacctat gctcttaaca 240
 gatgctcatg acaggggaatg tatgtacgga accatcagtg gtggataatg cacaatcgga 300

gcttgattta cagttacca tcatcatact ctaggaagtc tccacaacac ggtataccag 360
 gtcaagttgt agaaagactg acattagatc aaaatgctgc atctttgaat tgacatacca 420
 gtctggggac tccgagacta accaca 446

<210> 11426
 <211> 549
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220131c09d1
 <400> 11426

aacctcaatt ttttccgtta ttattattaa tctaagaggg gcttcaactt cttcaactac 60
 ttaacccttg cataagtcaa ctgctagcaa aacacagccc caaaagacaa ttaagatata 120
 taaacgagat actacgatgc tcaagttcta catacatgac acatgcttat acaacgttta 180
 gccatgaaat tggaaaatac tgcacagtaa gagatgttta tctgccacta agtaattagc 240
 cctacaacta agtgtagctg aaagacacaa gaagtcccg tccctgcaacg tccactctca 300
 taatactggc agactactct ttgtcccca aaaggaggcc tgggtacaacc tactctgcc 360
 aatgatgact gcctattcca agatctacca ccgtaaccag aatgtatacc ctgtgcacga 420
 cgatcccaaa ggttggggaa cctgtctcca ttatgacttt gcttacgtac ccacatgcct 480
 ggatatccaa ccggagcaca ccaaccagga ttgccatttc aggtgctagc ccctgaccag 540
 gccaaccca 549

<210> 11427
 <211> 142
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220131c10a1
 <400> 11427

gcttcatggc atgagatgga actacttgta tttttggcct catctgcact cggccttacg 60
 ctttcagttg atataactat tgaaactgtc attaggtggc atcaggagcc tccattgggt 120
 ctagctcaga tggcagtttc ca 142

<210> 11428

<211> 196
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131c10d1

<400> 11428

ataaagggat tttttttcgg tgtaacaca tagatctgac ggggggggag atatcaaacc 60
 tgctaaccct ttcattcttc gaggacctaa aactgcctcc cgcatagct cactgactaa 120
 gcatactgaa gaacacacgc tccaccaaata cacaaggcct aatgcaagcc tacgcaacca 180
 tcgagcacga gatcgc 196

<210> 11429
 <211> 181
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131c11a1

<400> 11429

gtgtcatttt ataagcctgc atcaatgggt tcttgggctc catctgcata cggcctgacg 60
 catacagctg ctataacatg ggtaactcta tctacgtggc ataatgagcc tccatgacgt 120
 gtaggtaagc ttgcggcttc catggaactg cgtcgccaat ggattaatgc actatacgtc 180
 a 181

<210> 11430
 <211> 336
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131c11d1

<400> 11430

tttagatttt tttttttctt gagcaatttt tttctgattg gatcatttga actaaaatgg 60
 cggaaccat tatatcgtct aaaacttccc attaataag gatgcactat tatctaccgt 120
 gatgcctac taacatatat gaagccagcg ccgacacaca aactgcaaca gaaccagaag 180
 cgggtctaaac tacacacgac ctccacttct gctgggacta taagcaggct agaggaaact 240
 acgcaggcaa cagcccgtat cagaccaacc tgaacaccct ttatgccact ctcaattgca 300

atacagatat tgtctactgt ctctacaatt tcacaa

336

<210> 11431
<211> 556
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220131c12a1

<400> 11431

cgccatgtct cactacaagt ttgttcttgc aattgagaac acttttactg agagctacgt 60
gacagagaag ttattctatg ccttagactc tgggtgcagtt cctatctatt ttggtgcacc 120
aaatgtcatg gattttgtcc ctccacattc aataatagat ggtagaaaat tcaactcatt 180
ggaagagttg gcttcgcacg tgaaggctgt agctaagat ccagtagcct atgcagaata 240
ccatgcatgg agaagggtgtg gtgtacttgg taactatgga aaaactcgag ctgtgagcct 300
tgacacgttg ccatgccgat tatgtgaggc tgtagcaga aaagggtggaa gaaatgcggg 360
aagctagggt gagttttttg cttaaattgt agttctgcat gatagagatt gacgcattga 420
atttaggttt gcaacctgta tagagaatgc ttgtttctct gagctaagat acatttgacc 480
aagaaaggct tagctcatgt gatattntat tttttattgc ccccttttc tggtagacag 540
tggttgatgc tatctc 556

<210> 11432
<211> 472
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220131c12d1

<400> 11432

gaatgaagag tgatgtttgc atgaattgac atatcaagtt gacatatgca cgtgtttttc 60
tcaaaaatca tacatcaaca aaaacacttc aactatagtg taacctatgt ggagatagca 120
tcaaccactt tctaccagaa aaggggggca ataaaaata aaatatcaca tgagctaagc 180
ctttcttggc caaatgtaca ttagctcaga gaaacaagca atctctatac aggttgcaaa 240
cctaaattca atgcgtcaat ctctatcatg cagaactaca aatttagcaa aaaactcaac 300
ctagcttccc gcattttctc caccttttct gctaacagcc tcacataatc ggcatggcaa 360

cgtgtcaagg ctcacagctc gagtttttcc atagttacca agtacaccac accttctcca 420

tgcattggtat tctgcatagg ctactggatc attagctaca gccttcacgt gc 472

<210> 11433
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220131d01a1

<400> 11433

gttcactact actccttcac tgtacttcaa aatttcaccc ttccaagtcc ccaacttgta 60

cagttttact attagactgt acaatctctg ttgctcttgc tcaatccaat ccaatccaag 120

tcccgctctca gtogaagcaa gaaaaccatg tcttcatcgg tgaagccgcg tcccatggat 180

agctacaagg tggaaggcgc ggcgcacatg aggaccgagg tgggtgttcaa cggcgacctg 240

cctcctgcgt cgtcgacgcc gacgatgact gtcggcgaga gcagcggcga ggaccgccgg 300

gtcgagatca aggccccgag gaagcgcgcc gtgacctggg tacaggacga gacgcgctct 360

ctcattggcc ttcggcgaga gatggacgcg ctgttcaaca cctncaagtc caacaggcac 420

ctgtgggagc agatctcggc gactatg 447

<210> 11434
<211> 548
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220131d01d1

<400> 11434

aagagtgatg aatatgatcc actataaaat tagacaatat gtggtcactg caaatgcata 60

tttacagaca tgttaaggcc aatgattgga acggaatttg tgcaaaggga ctagctcctt 120

tttctatata aaactatata cagcattatc aaaacttaaa acaaatacaa ttccaggtta 180

gtgccgaaca tacatcaaag atctgaacag tccccaccac agttctccag acattctatg 240

gtagctgaac attgaccaca ccatgtacct gctttcaact cacaccacga tatatggcac 300

caggtcgaag atcatccatg ttgtcaatat gtctgtaggt gtcaaattct cttagacata 360

ttcaacccccg gcgggtcata atatcacgga aatcgtctta agtgtgaaat atcttatctt 420
cagtatgcac aggtatatgg tcaggctcat catagagagg taattttaatg gccattcctt 480
catcaatgtg aagagtgtaa ttcgctaaag gcaatttacg gtcaatactt ctgattatct 540
gatcttta 548

<210> 11435
<211> 415
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220131d02a1

<400> 11435

gtctctttct gtgtctctat ctatcgtttt ctcaagataa tgggcaaate accatgacgac 60
tcgagtcacg atccataagt gagaaaggga ccatggatca tggtcgatga cttgttcttg 120
ataaactatc ttgctgatca cgggtgagtgt gtttggaatt ctccagccga agcttgtggt 180
ctcaaacgaa catgaaagag ctgtcgactc cgtttgctaa actacctttg tcctgatggt 240
agatgaggat acattacacc ctgagaacag cttttgatca tagaacttca tacatagtgg 300
ggctatacgt ggtccaaaat tgcaaaggat cttccatgaa gaactgactg tgtgattaag 360
tgcttctgga gacctaggat ccagaagccc atttagcaag ctgagactct acaac 415

<210> 11436
<211> 349
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220131d02d1

<400> 11436

gaacattacg atccattaag cataagcagc tacacaaaaa taacttgcca caaacaacca 60
actaaccagc cgccatccga cctttttttc tcctttacaa tttttttcac tatatatctt 120
aatcataac ccacgagacg ccattcaaaa accataacca agaaaatcct tatcccacat 180
aaggcattta acgcacatta tacatgacaa caccaaactt aaacaactca tataaacaga 240
cctaattgatg aaattaaccc cgaacacact ctatacgagc ttaagaccat atataatcac 300
atatatgatt cataaaaaa tacatatagc tagataaaat taacctcca 349

0953113-032200

<210> 11437
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131d03a1

<400> 11437

ggaacattcc gcggtcttca actttgggtt tgatacatgt ccaactccgat acccctgaga 60
 cagatttgat tttctggcat gtggacattc tctctaatacc agattcgctc tctgctcctt 120
 atccgtgatg ctcaagaact ttttcgtcgt agacagcacg agattggggg acacatacac 180
 cccgcgtgtc attcagctaa aagagcctga acccagaaca attgctgtga gtgcact 237

<210> 11438
 <211> 101
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131d03d1

<400> 11438

gttaacaaac acaactaggg tggccatcaa taacacaaaa ttgaccttaa taactcaacc 60
 agtcattaat acgccaatca tatacaagca acttaataaa a 101

<210> 11439
 <211> 304
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131d04a1

<400> 11439

ggcacattcc gcagacctcg acccgggcac tgagacatgt caacttctat atcctggaga 60
 caactatgaa gaactggcct gtgcacagtc tctctaatacc agaatcgctc tctgctcctg 120
 atctctcatg ctcaagaacg tattcggcgt agaccggtag agactagtgg acacgtacaa 180
 cgcgctggtt ctgcggctaa aagagcctga caccataac agatgctgcg attgcacttc 240
 agctactgag tgcgctcggg ctagcactgc tacagccatc atgcaaaagg agacatctga 300
 atcg 304

<210> 11440
 <211> 207
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131d04d1

<400> 11440

gttaaataac atatcacagg aggggatcaa taactgcaat tggacctgaa taacacaacc 60
 cgacaccaac ctggccttgt tacacatgca gcgtaataaa acggcaactt aggtgatagc 120
 aacaacatgg ggcacaccaa tatacgagaa cgcgcccatac ttacgcgca attttatagc 180
 aacatgccat gtcactgctg cggaggt 207

<210> 11441
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131d05a1

<400> 11441

ctaacattcc gcagacctcg acccgggctc tgatacatgt caactcctat atccatgaga 60
 caaatatgat ttactggcct gtgcacagtc tctctaattgc agaatcgctc tctgctcctg 120
 agccctcatg ctcaagaacg ttttcggcgt agaccgctag gtattaatgg acacgtacaa 180
 cccgccgggt catcggttaa aagagcctgc acccataaca gatgctgcga ttgcagctt 239

<210> 11442
 <211> 68
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131d05d1

<400> 11442

ataataaata agggggcggtt tatatcaatg aaaaaacctt tagaggagaa attcaactgg 60
 acatcact 68

<210> 11443
 <211> 261
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220131d06a1

<400> 11443

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 cagctatcat gatctggcct gtgcacagtc tctctaatacc agaatcgctc tctgctcctg 120
 atctctcatg cgcaagaacg ttttcggcgt agaccgctcg cgattaaggg acacggacac 180
 cgtgcggggt aagcggctaa aagagcctgg acccagaaca gatgctgcga gtgcaçttca 240
 gctgctgagg tgcgctcggg c 261

<210> 11444

<211> 66

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220131d06d1

<400> 11444

agatcaataa gagcaatttg atcttagaaa ctcaaccgga catcaaggga gtcatgggac 60
 acatgt 66

<210> 11445

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220131d07a1

<400> 11445

ctcacatgcc gcagacttcg acgaggtctg tgagagatgg caacctctat atcctggaga 60
 cagctttcat gttctggcct gtggacagtc tctctaatacc agaatcgctc tctgctcctg 120
 ctctctcatg ctcatgaccg cattcggcgt agaccggctg ctactaatgg acatagacac 180
 cgtgcggggt atgcggttaa aagagcctgg acccataaca aatgctgcga ttgcacttca 240
 gctgctgg 248

<210> 11446

<211> 96

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131d07d1

<400> 11446

acattgataa caaacatagg gggggggaac atcaataaca ccaattggac ctgatcaact 60

caaccgcaca ccaactgggc cataaaacac aagcac 96

<210> 11447

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131d08a1

<400> 11447

gtaacattcc tcagactgca tcgagggtcac cgaaagatag catgctctat atcgccctaga 60

caaatttcaa gctctggcgt gtccacggct ctgtccactc cacaagcgca ctcgggcctg 120

ttccgaatct catacatgct cgtcgtagac cgctactcta ctaaggggct ttgacgatcc 180

actgggtaag cgactaacat agcctggaac cacaacaact gtcagactc gactatagct 240

gctgagtctg cttcagctag cactgttaca cccat 275

<210> 11448

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131d08d1

<400> 11448

ttttatattg ttaaataaaa tagggaacgt gaatataaat atcaccaatt ggatctgac 60

aactgcaccc gttatcaact tggccttaac acacatgcat agtaacaaat ctgcacatta 120

cgatctcgtc acaaccgatg gcccttcca agagtgactc agcctttatt atcaccagaa 180

ttcacagcaa caagccatat cacacctggc gaggtcactg cttcctt 227

<210> 11449

<211> 484

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131d09a1

<400> 11449

gttacattgg ggaaggtcta gtcacttcca caataggcct gatctgagat gtggcatctg 60
 tcattggtgg atcacactct ctacatgaaa agcagaagcc accagaagat gttagcccat 120
 atagtgtgaa cggaaaagta ctaggttccg cagttgctct catcctactg gtgggtgtgg 180
 aaaatggaga ggatggtgta gatgaaagcc caatgggcga ggacaacggg cgtcactgga 240
 cggcgaattg aaaaccagct tcagggccct gacagcgag cggcaaggct aagacgacca 300
 gatactgtgg cacgaggttc tgtcatcttg gaacggctca gacccgaacg agtacatcga 360
 aaccgtggtg agagcctcta tggacagcgt gatcaaagcg tataacatga gcgacaggct 420
 gtcggttaga cacggcatca gcagcgccgt aatgaagatg gctctggagg atagccaaga 480
 cttg 484

<210> 11450
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131d09d1

<400> 11450

aaacgtgtca cattcctctg tatcatccat caaacaagac gggactacct attgcaaacc 60
 cattggagct tcctagctta aaagtttaag actttaccat gcacagccca gactttaatt 120
 cactgaagcc aaaaggcgtc agtccaaatc ttgagatgct tattggatgg aaacaaattc 180
 catcatcacc ttgggacgat cctacaagcg agcttactgg agcccagatc acgacattct 240
 ggcaatacgg tactcgagct aggtcaggc 269

<210> 11451
 <211> 479
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131d10a1

<400> 11451

gcgtcattga tgaaggaaac gtacgttctc cagttgcgcc tgggtgtctgt actgggttct 60

gtcaacacag ggaggcacag aatccatgat gtggaccatc cagcactctg tttctaacct 120
 ctatagttgc atggcaggaa ctaggctgag aattaccttt tctcctagta tgccattgct 180
 tgagtgaggg taaatgctgc atttcataat gcaaggcctg agaacacctg ctgtacctgg 240
 ggtgaatgat ctgcccacat cgaggaacat gattgattgg aggcgatgac tatacgagcg 300
 gacacactgc cacgaagtct gggtatgtgg aacacattga gaccgcatg atcaaactga 360
 catctatagg aagtcccaac cggtcgggct gctcagatgg catgaatgta tcagccgcta 420
 aaccttgccg tctgaggcat tctccacgag ctgtgtaggg gtctagatga tcgacagga 479

<210> 11452
 <211> 419
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131d10d1

<400> 11452

ttgagttttt tttttttttc aatgatattt gttgagagag aattacagag agaaggctcg 60
 gcggttgatt tttgccgatt tctctcggac tcttttgacg ggactgacga tgacagaccc 120
 taactccata cgcttgcttc acttaactca agagcgtaca attcaggcac tggccttgaa 180
 gtcggattgt gtgcctagga ctactccgga gtggcgacgg tcttgactga aaacacggcc 240
 gaagccggcg tttatcttga cgcgagtgtc gctgacgcac gctggctgtc aagtattttg 300
 ggccaagacg gtgcagttgc cggtcacaaa tgccactgga tatgtcaaaa tgaacatgtt 360
 tgcgctaaca ttgatcgatg ggcgcaaagt gagctgactc acatgcggga tgaaaactg 419

<210> 11453
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131d11a1

<400> 11453

cgcccagtct aactgcatgc aaggactcgc gaccgagctc actcagactg tgcgctgcct 60
 gacacagctg ccatactatg ccgtacacta tggagcaaca actctgtctt ccggggcccc 120
 gaaggtcatg ggggtgggtac cttcacatac agcaacgcgt ggatgaatgt acaactcgtc 180

ggaaggggaag gctaggaacg ggacagtttg agatagagac ccagtgcgc tggcgcaata 240
 ccatgcttgg ataaggtggg tggagcatgt gcactatgga gaaacatgcg cagagagcct 300
 ggactcgttc acatgccgat gctgcgagag ctggaagcac taataggggc tgatatgcag 360
 gtcgcttggt tgcgtagaga gctgaagcag tacttgtgga tgatcaatgt tgccgcgacg 420
 aatttacgtt agatgactgc atagacattg atagctgcat tgacctcatg ggcatatg 478

<210> 11454
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131d11d1

<400> 11454

tttagttttt tttttttttc agtgatatat gaacagagac ttttgcattg agagagctct 60
 taagttgaca tgtgcacgtg tctctatcac ctatcttacc tcaatgacaa tacttcaact 120
 gtaatgtaac cgattgggtg aattaagaca ccaccttaca acataagaga aggcctagaa 180
 ggagcaatgc gtgacatgga ctaagccgga cttggtgaca tgttcaactga atcattgcat 240
 caagcaggtg atgttctgga tgcattgccc 269

<210> 11455
 <211> 477
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131d12a1

<400> 11455

cgccatgtct cactgcatgc ttggactcgc gaccgagatc actctgactg tgcgctacct 60
 gacacagatg ctatactatg ccttacacta tggagcagca actatgtatt ccggggcccc 120
 gaatgtcatg ggggtgggtac cttcacatac agtaacgggt ggatgaatgt acaactcgtc 180
 ggaagagtag gcttgaacg tgacgggtgc agatagtgat ccagtgcgc tggcgagta 240
 ccatgcttgg agaaggtgtg gggagcttgt gcactatgga gagacatgcg ctgtgagcct 300
 ggactcgttg acatgccgat gctgcgaggg tcgaagcaca taatggggct gatatgcggg 360
 tcgcttggtt gagtagagag ctgaagccgt acttgtgcat gatgaatgtt gacgcagcga 420

atttacgtta gctgactgca tagacattgc tagctgcatt gagctcatgg gcatatg 477

<210> 11456
<211> 303
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220131d12d1

<400> 11456

gtatgaagag ggatgttcgc atgaattgcc atatcaagtt gacatatgca cgtgtcttga 60
tcaaaaatca ttcctcaacc aaatctctga aagtatagtg taacctacgt ggagatcgca 120
caccctactt tctcccagaa aaggggggct aaaaaaatca ctatatcact tgagctaagc 180
ctttcttggga cagatggaca ttagctcaga caaacaagca ggtgtctata cagggtggcta 240
acctaaatgc attgcgacca tctctatcat gcatatcttc aaacctaagg caagacggaa 300
cgt 303

<210> 11457
<211> 492
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220131e01a1

<400> 11457

tgaagaaact acaattctca ctgaaagaaa gttgctaact cttggcacca gttatcagct 60
taacatagtt gataacacca aaggcacaac aacattgagg gaatgaggct tgtcatatca 120
gctgtatgtg ttattgtgct attttcttat gctgctgcgt atgatccttt ggatccaaat 180
ggaaacataa cgatcaaagtg ggatgttgtg tcatggacac cagatggcta ttagccgtg 240
gtaacaatga gcaatttcca aatgtttcgg cacatcatga atcctggatg gaccttggga 300
tggaactggg caaagaagga agttatatgg tccatggtag gagctcaaac cactgaacaa 360
ggagactgtt ctaagttcaa aggcaatgta cctcactgct gcaagaaaac tcccatagtt 420
gtagacttgc tccctgggtg gccttacaac cagcaattct caaactgttg caagggtgga 480
gtggtggcaa ca 492

<210> 11458

<211> 465
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131e01d1

<400> 11458

gagtattatg atccggttta ttttgaatct actggaataa tacatcaaat tacagctccc 60
 tatacaccac aacacacaca tataacttca gatttatcca gtatcatctc gattttcaaa 120
 ttaaccaaca ctattcagca tctgataagc acttgatgaat cacaacacac acattcatga 180
 gtcgggcttg gtttttttca agcaattccg taagattctt catacctgat gtacgttggtg 240
 gtgtgtgtag gaaaacttgg cttcaaaatt tcacagaaaa taattggatc tcgcctacat 300
 actatttcac caaacagtta tcatgacaag cattgtcaaa acgaatgctg ggaagtttaa 360
 taggttcaca ggggcagaat tagggaggat tgggtagcta tcaggtggtg gaagcatgca 420
 ttctcacca ttaaagtaga ccttgcgagg aaatgccac cctg 465

<210> 11459
 <211> 524
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131e02a1

<400> 11459

ctcgctcgcc aaacgcccct ctctctctc caatggccga ccagctcacc gacgaccaga 60
 tcgccgagtt caaggaggcc ttcagcctct tcgacaagga cggcgatggt tgtattacta 120
 ctaaggaact tgggactgtg atgcggtcac tatggcaaaa cccatctgag gcagaactgc 180
 aggatatgat taatgagggt gatgctgat gcaatggaac catcgacttc ccagagttcc 240
 tcaacctgat ggctcgcaag atgaaagaca ccgactccga ggaggagctt aaggaggctt 300
 tccgtgtgtt cgacaaggat cagaatggtt tcatctctgc agctgagctc cgccatgtca 360
 tgacaaatct tggggagaag ctgaccgatg aggaggttga tgagatgac cgcgaggccg 420
 acgtcgatgg tgatggacag atcaactatg aggagttcgt caaagtcatg atggccaagt 480
 gaggaccatt catccataac ctaaatttga aagcatataa gaga 524

<210> 11460

<211> 533
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131e02d1

<400> 11460

aaaatattaa cagcattagc caaccacatg taaaaaacac aaatgcatcc aattgttcta 60
 ggttcataat aataacaaaa aaataaatat gaaaatggag agtaacaaag catggtgaga 120
 cacagctaac cgaagctact aaaaacaagg aacaaagcaa acaagtagga taactagggg 180
 gcagaagtag taccagttaa agcaaacaag aaaaacagac actcaactaa caaaagctaa 240
 taaccccaaa tcaagatgga cctaattgga atagaattct catcaaaact tatctgcact 300
 gtccctcttc tctttatatg cttttcaa ataggttatg gttgaatggg cctcacttgg 360
 ccatcatgac tttgacgaac tcctcatagt tgatctgtcc atcaccatcg acgtcggcct 420
 cgcgatcat ctcataacc tcctcatcgg tcagcttctc cccaagattt gtcatgacat 480
 ggcgagctc agctgcagag atgaaacat tctgatcctt gtcgaacaca cgg 533

<210> 11461
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131e03a1

<400> 11461

ggaacattcc gcggtcctcg acctggctc tgatacatgt cgactccaat ttcctgaga 60
 caaatgtgat ttactggcct gtgcacattc tctataatgc agaaccgctc cctactcctt 120
 atcccggata ctcaatgaca ttttcgtcct agacaggtag ggattggggc acacgtacaa 180
 ccctcttggc cgtgggctga aatagcctga acccacaaca attgctgcga gt 232

<210> 11462
 <211> 330
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131e03d1

<400> 11462

aaaaaactgt actcaggtgg ggatcaataa gaataatact atgtaagtaa ttcaacacgt 60
 aattaagctg gacttattac acatgtagta aaaaaaaagg gcaacttagg agatactaaa 120
 tatatgggggt gcatagtata cgggacagta cacatctttg ggggaacata ttatatgaac 180
 atgctatgtc actgggtgca agagttaaca gatagttgca cccatagaat agaattagcc 240
 cttaggagac tttggtgaca caatagccag gtcttaaadc cggattgttc tagttcaaga 300
 cctagactag aacacttaat gcccattgat 330

<210> 11463
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131e04a1

<400> 11463

ctcacaatcc tcagacctcg accctggctc tgatacatgt caacttctat atccatgaga 60
 caaatatgat ttactggcct gtgcacagtc tctctaagtc agaatcgcta tctgtctcctg 120
 atctctcata ctcaacaacg ttttcggcgt agaccgctag gtattagtgac acacgtacaa 180
 cccgcttgct catcggttaa aatagcctta acccacaaca gatgctgcca ttgcact 237

<210> 11464
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131e04d1

<400> 11464

agctagctaa ccggcggcgg cccttttttt tttttttttt ttattatatt ttttttttat 60
 tttgttaaca aacttttctc aggtggggat caataatagc acatggacct tagtaacaca 120
 acccgatc atgcttgtct tgcaagacat ggggtttaat aaatagggtg acttatgaga 180
 tagggaatac atgggggtca cagcatcacg gaaggcacac cgctcttggg cttatgttag 240
 atcaacatgg tatg 254

<210> 11465
 <211> 232
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131e05a1

<400> 11465

ctcacattcc gcagacttcg acccgggtctc tgatacatgt caacttctat atccttgaga 60
cagctatcat ttactggcat gtgcacattc tctctaatacc agaaccgctc tctgctcctg 120
atctctcatg ctcaacaacg ttttcggcgt agaccgctag ggattaaggg acatatacaa 180
cgtgcgtggt catcggtctaa aagagcctga taccataac aaattgctcg at 232

<210> 11466

<211> 306

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131e05d1

<400> 11466

attaaaaaac gttggggaca gaaacagtaa tgccaccaat aggcctgag aaattcattc 60
ctataacaca atggtactaa atcagagtta cttgataaac tcgattaatg ctgatattga 120
acctataaac ggccagaatc attctaattg ggcattctgag gtttatcaaa ctttcaacca 180
tgatgatagg acaggggtcc aatcgcatc ttttccttcc ttgaaccata aagctattcc 240
acgcttgcaa ttctcagggc tgtcactgcc ttgaacaaca ttcttctctg tttgaacaac 300
ctggtc 306

<210> 11467

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131e06a1

<400> 11467

ctaacattcc tcagacttca acccgggtctc tgagacatgt caacttctat atcctggaca 60
caactatcat gttctggcct gtgcacagtc tctctaatacc agaatcgctc tctgctcctg 120
atctatcatg ctcaagaacg tattcggcgt agaccgctcg ctactaatgg acacagacac 180
cctgcctggt aatcggtctaa aagagcctgt acccataaca aatgctgcga ttgcacttct 240

gctactgggt gcgcttgatc tcgaactgtt acagccatca

280

<210> 11468
<211> 124
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220131e06d1

<400> 11468

aaataacatt ggggaggtaa acattattgt caggaattgg atctgagaaa ctcaatccga 60

catcatcatg gtcctaaaac acatgtattg caataactct gtaaattcgg tgattggatc 120

tatt 124

<210> 11469
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220131e07a1

<400> 11469

cgaacattcc gcagacttcg acgcgttctc tgagacatgg caacctctat atcctggaga 60

caactatcat gttctggcct gtggacagtc tctctaatagc agaatcgctc tctgctcctg 120

atctctcatg ctgatgacct ccttcggcgt agaccgctcg ctactaatgg acacggacac 180

cgtgcgggggt atgcggctaa aagagcctgg acccataaca aatgctctga gtgcacttct 240

gctactgggt gcgctcgcgc tacgactgtt acagggcatca t 281

<210> 11470
<211> 100
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220131e07d1

<400> 11470

gttaaataac attggggggg aaaacatcat tatctccaaa tggaccttat taacaccacc 60

cgacatcaac tgggcaatga tacacatgca aagaatcaac 100

<210> 11471

<211> 225
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131e08a1

<400> 11471

ggaacatgtc tcagactgcg tcgagctcag cgagagatgg caacctttat atcgtggaga 60
 catctttgat gttctggcct gtggacggtc actctagtga acaatcgctc tctgagcatg 120
 cgcggtagtg ctcatgacgt ccttcggcgt agaccggtcg ctactaatga acagttacac 180
 cgtgcggggtt atgcgggctaa catagcctgg acacataaca aatgc 225

<210> 11472
 <211> 85
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131e08d1

<400> 11472

gttaaataaa ataggggggg taaatatcat tataaccaat tggaccttat caactccacc 60
 cgттаатаас tgggccataa cacac 85

<210> 11473
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131e09a1

<400> 11473

gtaacatttc tcagacggag tcgagttcta cgagaaatat catgctatat atcgtataga 60
 catattatat gttatagctt gtggacagta acactactga acaatcactc tcgatacctg 120
 atcgcgacta ctcatgacat tcgttgatcat atacagatcg ctacttaggg acacttaaaa 180
 cacactgggtt atacggctat acatatcctg catacacaac atatgctgtg actcgaatac 240
 agctgatg 248

<210> 11474
 <211> 92
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131e09d1

<400> 11474

gcaaaaggcc tttttttgca tttccgcaac aaaatattaa cgggggggtgt tctctctttc 60

caaagctaac atatgaaatc ctccagtgga ta 92

<210> 11475

<211> 479

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131e10a1

<400> 11475

ggctcattct aactgcatgc ttggaatctc gatcgagcac actcagactg tgcgctgcct 60

aacacaactg atataccatg cggaacacta tgtaccagca agaattgtatt gcttggcctc 120

gtatgtaatg cgggtggatac catcgcatatc tgcaacaaat agattaatga actactggcc 180

ggaagggact gcttgggaaca tgtcagtttc agatagaaac acagtgatgc ttgcataata 240

gcagtcttaa ataaggtgta tggatcatgt gcatcttggg gtaacacgct cagagagcct 300

acactcggtc acatgccgat gctacgaaac tgaatgcact aatagggcct aatatgaagc 360

tcgcttattt gcatagagag ctgaagcagt actgctagat gatcattatt gccgcgacta 420

tattaggtta catgactgca aatacattga ttgctgcttt gacttcatgg gcatatgac 479

<210> 11476

<211> 377

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131e10d1

<400> 11476

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ccggttgaga cttaacgagc acagagaact gggacatctt cttaaccctt cgcggcgatt 120

ccttcgtgtg gtacgccgaa tggcccatc tcagggaacc actcctctgg gtgctcaaaa 180

ccatccctat ccctcttccg ctatagctcc tcgtaccggg ctgaggcaac tcccgcctct 240

ccgagcacct ctacgacggc ggccacaccg acatcaccaa catcgacttc tccatgggtcg 300
 tcatcagaaa catgcttcgg cggaacgtac gctaccgacc ccttatgcga tggggcggtat 360
 ggacatgacc gtcatgc 377

<210> 11477
 <211> 428
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131e11a1

<400> 11477

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 ctcttgtgca tgttgcgata ttcatcatta tatctcagtt tgtctcatta aaaatggaaa 120
 taatatgcta agttgctaac tgctttatgt catctcagtg tatgttagtt tagtccaact 180
 gtgcaagttt tcatttcgac cagtgggttcg agttagattt tgattcttca tgctatcttt 240
 gtagtgggat gagtgcagaa gtactcttgt gaaggttgga aaaacgagat ctcaattcga 300
 tgtatggtat gccaagatgg taccctactg ttgattatag attttatttg aatttgatat 360
 tgatgttcaa tgattttcaa ctagagcaga gcacacagag gatggtgaaa ctgctttgaa 420
 tttaaggt 428

<210> 11478
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131e11d1

<400> 11478

gggccatctt gctgtaactt caaaaggcgg tagaaactca actatcttag tcttcaccc 60
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 gctccacact atacccttgc tcaaaaggct gccgaccata ctgtcccaaa aggatcatgt 180
 ggatggtgac agctattgct actatccatg ccactattgt ctatgcgaaa aaccaccatg 240
 accaatgccg cctcctccta tgtggccctc atgaagttgg gc 282

<210> 11479

<211> 579
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131e12a1

<400> 11479

atgagagttt caatccctct gactcatttt tctccgtgac tgcaaattggt gttaccctcc 60
 tctccaattt cagcgccaca gccacttggtg aggcctctc acaggcctac attgatagag 120
 agtactccct tgcgccattg aattcagaag ccttgactct cactttcaag cttctgata 180
 aatacaatgg cactttcgct tttgtcaacg gcattcagct catcccgatg cccgagctgt 240
 ttgattccgg agaatcggtg gggatatgctg accaaaccac ggatgtgaag agcttgaatc 300
 tgcaaaccat gtttaggctt aacgttggtg gacagtacat ttctccaatc caagactctg 360
 gccttacaag gatgtggtat gatgacaggc cttaccttta tgggtggaagc actggtgtca 420
 ccaaccaagc cgagaagaac gtcttaatcg actaccagac catgccaaag tacattgctc 480
 cttctgatgt ctactccaca tcaagatcaa tggcgctga catggatgtc aacttgggct 540
 taatctcact tgggtcttcc aagtcgatcc caattccat 579

<210> 11480
 <211> 191
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131e12d1

<400> 11480

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 taaactattg atccttgctc accaaatttc attggtgacc gacgaggata tggacaaagc 180
 tctgcgttcc c 191

<210> 11481
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131f01a1

<400> 11481

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 accatcatat tgtaattac ttccaattaa tatgggctgt gctatcatta accttctcct 120
 aataattttt atatatgaag ccagcgccga cacacaaact gcaacagaac cagaagtggg 180
 cagaacttca caagacttcc actactgctg tgattataag caggctagag gaaactacgc 240
 agccaacagc ccctatcaga ccaacctcaa cacccttttg tccactctca cttccaatac 300
 agatattgac tacggtttct acaatttcac aaccggcgaa taccgacaca tagtgtaggc 360
 cattgggctg tgcagaggag atattaatcc agatgaatgc cgtatctgcc tcaaactttc 420
 agagccaatc tcacagagct ctgtccagtt cagaaggatg caat 464

<210> 11482

<211> 498

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131f01d1

<400> 11482

attgaaataa tagtaagagt acttactagc actcccctaa aacataacac aaggacaaac 60
 agtttgcacc aaactacgaa tgaatagatt tataagttac aactcagtat atgccatctt 120
 aaaattaatt gaaattcata aatattagct gtattagagg aattcagtga tgtgatactt 180
 ttcagcagcc tcattggcct tcttcccccg atgttgatct agttgtatac tcgattgttg 240
 ccccggaatt aaactctggg aattgtgcac tatcatcata atatgcagggt tctaaaggta 300
 ctgggagagt ttgagaatgg ctattaaaca cggttacaac gaaagccatg gtgggtctgg 360
 cagctacatt ttcttgaaca cagagtaacc caatgtggat gcatctcact atttcattct 420
 gtgaaccatt gatcaagggtg gcatctacaa tatttgcagc tggttccttc ctccagtttc 480
 gccatgcaat acttagta 498

<210> 11483

<211> 350

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220131f02a1

<400> 11483

atcctatatt ctcttcttgg atcatcttgg ttaagctgca gatcagaata gaataataat 60

aaataaagat aagatggaga ctcatcttgg tttcttgctt ggtttgatct tcaactctagt 120

tgccggcggtt ggagcccaag cccaaagccc atccaccttt cctgcgcctc ccacacccca 180

agcatctcca cctcccgctc agtcttctcc gccacctggt cctctctcac ctccaccctc 240

tcagtctcca ccaccagctt ccaactcccc tccatcccca ctgagctctc ctctctcttt 300

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<210> 11484

<211> 469

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220131f02d1

<400> 11484

actcgaatgc aacgatcgat aaactaatag taatgtcata caaaataact gccctcgaat 60

acaaaacctc ccctcaaata tcccaagaat gcaagcaatt tatatagttc aaatacagta 120

ataaactccc acgatcacat ccacaaaata atatataaag gtaagggtata gggtaaataag 180

caaaataaca tgaattggca gaaaaatctg cgagtccgaa gacagagatc gatgtctaga 240

acaacatgga cagcaaagca catccgaata ctaagctccc aatcatcttc tgaaaggacc 300

acaagttttg agccccactg tcatcgccgg agggagagat ggtggagagg ctgggaccgg 360

gagcaaggga aggagagagt gcaggagcaa acaccttgga aggagacgga gctggagaag 420

agacaggtgg agaagaagag gtgtaactgt tgggggtcaat gaggggtggt 469

<210> 11485

<211> 157

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220131f03a1

<400> 11485

ggaactttcc tcagtcctcg gccctggctt tgatacatgt caacttccat ttccttgatga 60

caaaggtgat ttactggcct gtgcacagtc tctctaagtc agatccgctc tctactcctt 120

157

attgttaact	aactttttctc	gggaggggat	caataacagc	aatattccct	taacaactca	60
acccgtaatc	atgcaaccat	tgttagacat	gaagttttatt	aatagtgtaa	cttcgcagac	120
actaaataca	tggtgcccac	agcattttgtg	aacgcaccct	actcttgggg	aacattttaga	180
tcaacatgcc	atctcact					198

<210> 11489
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131f05a1

<400> 11489

ctaacaattc tcagtccacg gccctgtctc tgatacatgt cgacttctat atccatgtga 60
 caaatatgat ttactgcctt gtgcacagtc tctctaattgc agaatcgcta tctactcctt 120
 atccctcgtg ctcaagaccg ttttcgtcgt agaccgctag gtactgatgc acatgggtcaa 180
 ccctctgggt cctcggctga aatagccttt gcgcacaaca gttgctgcga tt 232

<210> 11490
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131f05d1

<400> 11490

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 atgtacctta tttaatcgtc atcttttcca atattataaa cataactagc tttttttacg 120
 cgcaaaactta ttaaactttt aacaaagtta gtacttcatt ttccataact ttagaactta 180
 tctagttttc tttccactca atatcatcta tcaataactta gtgtactcta ttaaaacata 240
 tccatttcca tacaccggtt tgaccattct ta 272

<210> 11491
 <211> 220
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131f06a1

<400> 11491

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 caactttcat gtactggcct gtgcacagcc tctctaattcc agaatcgctc tctactcctg 120
 cactatcgta ctcatagacg tattcggcgt agaccgctag ctattaatgt gacacatata 180

ccccgcctgg tatgcggctt aaagagcctt caccataac

220

<210> 11492
<211> 196
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220131f06d1

<400> 11492

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caaaacgtag ctcacattct ttaggcggat actcacgaat ctccaaccaa ggtcagtact 180

tcattttcca aaactc 196

<210> 11493
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220131f07a1

<400> 11493

ctaacattcc tcagacttcg acgaggtctc tgagacatgt caacctctat atcctggaga 60

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ctccctaata ctcatgacct ctttcggcgt agaccgctcg ctactaatgg acatctacac 180

cctgcgggggt atgcggctta aagagcctgc acccataaca aatgctgcga ttgcacttca 240

gctgctgagt ccgctcgcgc tc 262

<210> 11494
<211> 197
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220131f07d1

<400> 11494

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aacctgaggc tcactactct acgagaacta gccattatta tcgccaaatt ttatatcaac 180
attctatctc acatctg 197

<210> 11495
<211> 296
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220131f08a1

<400> 11495

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catcttttat gttctggcct gtggacagtc actctaataca agaatcgctc tctgctcctg 120
agctgggtata ctgatgacat cattcgggcgt agaccggctg ctactaatgg acatcgacac 180
cgtgcggggt atgcggttaa catagcctgg acccataaca aatgctgtga ttgcacttta 240
gctgctgagt ccgcttgtgc tcggaatgtt aaaggcatca ctgcaaagat gacatc 296

<210> 11496
<211> 405
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220131f08d1

<400> 11496

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caccaccctg cccataaacac acatgcaaata taatacaaat acaccatatg cgatctgcac 120
aacctggggc acccatcta acgagacca caagttatca acgcctgact tcacagcaac 180
aatccatctc acagctgagg tggctctcgc agccttcgca acctgaacta gacatatgtc 240
agggccactc gcttgagaca atgcttgttg ctaaaccctt acggtactag ttcaagacca 300
agaccactac gtttaacgcc catgcaagga gcttgaatga cccctgggtg agcacaagc 360
atgcatacaa tccctgactg tgtaccctc gctatgccct ctcac 405

<210> 11497
<211> 247
<212> DNA
<213> Glycine max

[illegible]

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catcttatat	gtcatggcct	gtggacagtc	acactactga	acaatcactc	tcagtgccctg	120
agctcgacta	ctgatgacat	cctttggcgt	agaccgctcg	ctactaagga	acagcgacac	180
ggtgctggct	atgcggctaa	catagcctgg	atccatatca	aatgctgtga	ttcgacttta	240
gctgctg						247

<400>	11498
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aaaaaaaatc	ttttttttgc	tttgcttact	aaatgcgcgg	gggagaggag	gataatatgc	60
aagttgcgct	gtaggacccc	accctagatg	aagtcaccaa	tgccagaaac	gtgccgaacc	120
ccacagatgc	tggtcgttag	gaccaaaaca	acttctctcag	ctatggggga	atcggacgat	180
ggtcctggat	atgacacaaa	gcactgactt	ttctcacatc	tgggggcgcc	actggtgatt	240
gccatgacgt	aagcagcgga	cgtggtgggg	gcctcggggg	gcctaccgat	gagatctgaa	300

<400> 11499

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gacacaaaag atatactatg ccgaacacta tgtagaagca acaatgtatt gcatggcctc 120
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ggaacagact gcttggaaca cgtgagttgc a 211
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<210> 11500
 <211> 299
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220131f10d1

 <400> 11500

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 cttacctgag gaaaatgaat gaggctctgc cttcaccggg acccatcaga aatgcaaggc 120
 ttgcgacaaa acaagggggg ctgtaggaag gagatctgac aatgagcctg agctttactg 180
 gaactgcat aaatgctgac aactcacaag gccttcttgc tataggcagt taatcatacg 240
 accttgagc cgtgtgctgc taggtgcact ttgagctggt gatcaaggaa acgggaacc 299

<210> 11501
 <211> 206
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220131f11a1

 <400> 11501

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 cacaggaacg accaaccctg ctgaagatta actctcagcc actatcagta gcaacgcctg 120
 gtctatacat cgcaggttac cagtacatga cgtctgacag cgagtaatgt ttcgacgaac 180
 cgcaactggc tgccctgccgt acagga 206

<210> 11502
 <211> 380
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220131f11d1

 <400> 11502

 aaaaattaat ttttttaagc atgctcaaag aaattacaca ggtggggaca actcaaaata 60
 attaatccgc accaaaacca aaccttgaac atatacaagg ctgaacccta accttatttt 120
 tgatcaggca acatgttcta cgcctaata gaaggaccaa actgacacga acataagata 180
 gtgctaaacg attgcgctac tgccgtaaga tgcctcggag tcttaaggat acaaacttgt 240

tgggacttaa gctcttgatg tagaaatccc tggattaaca gtccatgcca acttaggggc 300
cccgaaggt aaaatccaat aattcattcc aacgtcttaa taacccttgt caggcgacca 360
aagattacaa aggcggggac 380

<210> 11503
<211> 459
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220131f12a1

<400> 11503

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gttggagata accatcccg c ttccggcgaa gctctctgat accatcatga tgctcgtagg 120
cccgatgcag aacagcgtta tgggtagacc acgacctact gcagctgagg acagcatcac 180
tcaacaggat gcctgcacgc actgatgatg cccactccat tcgggggtgtg cgtaccatgc 240
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gcacagcctt caatgatgaa cgcgtcgaca ccgtcgatca caccaggctt gtgatccatg 360
ccccactcga tgtccaggcc gatccacagc atatcaccca aatcgtatag gagactgtcg 420
acggggccga cctgtgcgac tacatctatg ctgctgagt 459

<210> 11504
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220131f12d1

<400> 11504

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ataaatactg ggactgtaat ccggagaaca catggcagct cttttttgga gggaccttgg 120
aacacgactt ataagaggaa aagacggtct cataacctag caacttgta tgcttccgc 180
cagaagcata gaatatctaa ctggctctgt cacctagggg aaaggctttt tacaacgta 240
tcctggggaa gg 252

<210> 11505
 <211> 579
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131g01a1

<400> 11505

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 cattggatca gcggattagg gatcatttgt tgtccaagaa taacttgttt actgaggggtg 180
 ggaactttgt gagctcgttt cagcgctcctg tgttgtgtat ttttgaccgg aatttcgagt 240
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 tgaggctgaa taggctgagt gtgcaggggg agaaggggtg gatgaggtct tatgagttgg 360
 acagtgctga ttcgttttgg gttgcaaata ggctcgctga gtttccggag gttgcgggtg 420
 agattgagac gcagttgaat aagtataaga aggatgtgga tgaggtgaac aagaggactg 480
 gcgggactca tggcgcgag tttgatggga cggatttgat tgggacacga agcatttgat 540
 gaatgctgtg aattctctgc ctgagttgac tgagaagga 579

<210> 11506
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131g01d1

<400> 11506

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 tacaatgaag ataaagcata gaccactgtg ctaccagaaa ctaccaagaa gcaaccccct 180
 aactttataa tcaagaaggc agtgaagggt tatattcctt cattgttttt ttctagacga 240
 tgaacatcaa acacagattt gactttgcct gtgttatctc gatgtcagag agattttctt 300
 tgcacactaa agaataattt ggcaaactga aatgtgaatt acattcacct ctgaactact 360
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 gctgctctac aaagtcaact ccagttagca tttctgttgc tccatatata atatgtttgg 480

caggttgctg atgtttgtgca agctcttgca gactgcaata ttcaacgtaa ttaccaccac 540
 caatcatgaa ca 552

<210> 11507
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220131g02a1

<400> 11507

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 cttccagggt gggcgggcaa gtcctgccca accncaacac ccatcattgt gtagtggaag 180
 agccgctgga gtcacagga ttcgggtgtg gatagctgag ccatctggtg aacctgctcc 240
 tttaggacaa aagacgcggt accatgacgg catttttgag aaggccttca tgactctctt 300
 tgcacgtaag atggagaaat tttcagatcc accagcagga aaagctagag agaataaggc 360
 ttggtgggat tggggttatg actatgagag tttcgtggat gtgtcaagga gggtaatgca 420
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<210> 11508
 <211> 495
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131g02d1

<400> 11508

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 ctggtattaa tattattaca catgaaaaat gaaattttct gaagctagag cggaagagc 180
 acctcgggtc gaattagaag cttactagac atgtatatag atttggtac cctttgtacc 240
 caccacatat taaatatata tacttatctt tgctgattta aaaaaaaaaa aagcttacta 300
 aacactaatt ctgcaatgga aaattaaatc cgaaaggaat gccttctcat gcctgtagtt 360

taggacacac actagagctt ggTTTTGCCA taagacatat atccgcatag caagggTgtt 420
 ttgaaacagg gtcctcttta aatgtaagtg gggattggcc atcaccatat cacaactcat 480
 attttaaaat tagga 495

<210> 11509
 <211> 557
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220131g03a1

<400> 11509

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 cagccacctt atgcctctct taaaccttgt cctcaaaacta gctcattccc ttccaaactg 180
 ttcattctct ttcatgggca cacacaaatc caatgcaatc cttttcccaa aacccccacat 240
 cccaaataac atcaaggcct atagcataag tgatggaatc ccagaggggc acgtcctagg 300
 caaaaaccca actgaaaaat tgaatctttt tctccaaact ggtcctgaga accttcacaa 360
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 gcttcccaat tcatgctcac tctctctcta tttctacact gactngatgc gccagcactg 540
 tgcaagccgt gctggga 557

<210> 11510
 <211> 503
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131g03d1

<400> 11510

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 aactacaaac acaactaacc cgagaatcta ttcaagttat acatcatttt aatagttttg 180
 aaataaaata acccatgcaa acaaagaagt gctattaaga tctagaaatt acttccacca 240

gagtgttgaa atcttgtgtt gcttgccctt caggcctacc tgcattcttc acagtcttct 300
 tcaccctaag agcattgtct ctaatcttct tcccttcttc atgcaccaga atcaaattca 360
 agctctttac caatccattt ttggcgaaca tcttaccttc tatcatcatc ccaatcttcc 420
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<210> 11511
 <211> 292
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131g04a1

<400> 11511

gtaacattcc tcagacctcg gccctggctg tgattcatgt cgacttctat atccatgtga 60
 caaatatgag ttactggcag gtgcacagtc tttataatgc agatgcgcta cctactcctt 120
 agccctcatg ctcaacggcg ttttcggcgt agaccgctcc ggattgggtgc acgcgtacaa 180
 cccgctggtc cctggggtga actagcctta acccgcaaca gttgctgcca ttgcgcttga 240
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<210> 11512
 <211> 181
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131g04d1

<400> 11512

ataacaaaact ttttacggga ggggatcaaa aacagcaa at ggacatgagt gacacaacta 60
 gtaaccaagc agctcttgat agacatgtag cttataataa ggtcaacttt ggcgacacga 120
 aaaacatggc gagcatagca tatggggagg caccctctt ttgggggtact attagtagaa 180
 c 181

<210> 11513
 <211> 458
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220131g05a1

<400> 11513

cagccaattc tcgatccatg gccctggcctt ttcttcatgt tgatttcagt ttctatatgc 60
aaaatggggg agaccgaatg atgcaaaata tttataatgt agatacgtca ctaaccacct 120
aagccatgaa cacaaccttg ttctcgtcgg agactactgc gaattgggtgc atttgttcaa 180
ccctctaggc cctgggcgga tctgcctttg gcgtgcaaga gttggggcaa aagggctgta 240
cttagatggg attgacaggc ttcaagtgtg agccacatga agaactggaa acggcacaag 300
caaatttgca acagtggcaa caagttggag agaaggctat cgcttgggga gcatcaccga 360
gcagagtcac ggcctaagta ttgggtgtca ccagtggctg agatctaggg tgaatgagaa 420
gaggaatgga gtgcacatat gtctcagttg ctcatgtg 458

<210> 11514

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220131g05d1

<400> 11514

gaaaagatta cttgttttct taaaattaaa caaactttgg ggacgattag atcaaata 60
cgaccatgat aaaagccaca caactaataa gcatgcggct attgggagac aagtatcata 120
ctatatagca ccactttgca ggtacccaaa gcatagcgcg cattcaattc ggggatacac 180
cccaaaattc agcaactatt agaacaacac ggaccacaag tcttcaaata atctagggtc 240
acttgccatg atccacatga tgtacct 267

<210> 11515

<211> 599

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220131g06a1

<400> 11515

ggaatacccg attgatccat cgctgcctga tataaagaac agtatatatg cgactgatga 60

gtttcggatg ttttcgttca aggtgagacc ttgttcccgg gcataactctc atgattggac 120
 tgagtgtcct tttgttcata ccggagagaa tgctcggagg agagacccca ggaagttcca 180
 ttacagctgt gtgccgtgcc ctgatttttag aaaaggggct tgcaggcgtg gagacatgtg 240
 tgaatatgct catgggggtgt ttgagtgtctg gctgcacccg gctcagtatc ggacacgcct 300
 ctgcaaagat ggcaccagtt gcaatcgaag ggtgtgtttt tttgttcaca ctgcagagga 360
 gcttcgtccg ctgtatgtgt ccaactggatc tgctgcccct tcgcccgtt catctgcttc 420
 aggtcctaata gtcattggaca tggctgtctgc catgagcctt tntcaggatc gccttcacgc 480
 ggctcttcca tgcgcgcgtc ccaactttggg cagccaatgt ccccatctgc aaatggcatg 540
 ccaactgtctt ctgcttgggc tcagccanac gtgccggctc ttcattacca ggaagcaat 599

<210> 11516
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220131g06d1
 <400> 11516

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 acaacttcaa ccattggcaa cagtaaaaca ttgacttggg ttaacttagg gaacttcaaa 120
 aaaatctttt aaaacaaacg caggctaata aggggttttg gtccatttta aaccaaacta 180
 gcttgcttga tagggaactc aaaaatcaag tgaaatatcc aggggaaaaa ttctgaaacg 240
 gggccgtttt ggaagaaaaa ttgataacct cgacaggatt tttctcctac tattggattt 300
 caaccccaag agagagagct ttttcaactc ttttgaaact ttggagaaaa ataatggatg 360
 gccattttta tttaaaaaag gaagaacaaa ttgaatatcc ttcaggtaac t 411

<210> 11517
 <211> 598
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220131g07a1
 <400> 11517

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atcttgaact atctcctccg tgttctcact ttctcaacta cacaatattc ttattgaatt 120
 ccagcggaaa gaatcatgag ttgcttcggc tgttgtgagg aagatgacta ccagaagact 180
 gctgaaagtg gaggacagca tgtggtaaaa aactcaacag gaaatgatgg aaacagtcgt 240
 gcatccgaaa ctgcaaagca ggggactcaa gctgttaaaa ttcagcccat tgaagttcct 300
 gaattacaag tggatgaact caaagaaatc accgatggct ttggagaaaag ttctttgatt 360
 ggagagggat cctatggaag agtatattat ggcgttctta aaagtgggca ggctgcggca 420
 atcaagaaat tagatgccag tcaacagcct gatgacgaat ttttagccca ggtttcaatg 480
 gtttcacggc tgaagcatga ncattatggt caattgcttg gctattgcat tgatggatac 540
 tcccgagttc tggcttatga gtttgcattc catgggtctc ttcattgatat tttacatg 598

<210> 11518
 <211> 495
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131g07d1

<400> 11518

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 agtcactttc ttatatctca cgtgcacact tatgcacata ctcatgata cagatataaa 120
 tatagacaaa gattagtttg gagtttcacc agcaggccca tgtcttgcatt tcaataaagg 180
 ttgaagagct ttgactacaa tgctcatggt tggctctgaaa tcagcttcat attgcacgca 240
 cagggcagca acagcggcca tottagcaac agctttgggt gggattctc ctccatgtct 300
 tgcatttaca cactgtctga ctttatctc actgagtctt ggtgtagccc aagtaaccag 360
 gctctgctgc ccacgtggta gtgtatgatc aacaggcttc cttccagtca aaagtccag 420
 aaggacaaca ccaaagctgt atacatcact cttggcattc aattggccag tcattgcata 480
 ttctgggtgca tgata 495

<210> 11519
 <211> 454
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131g08a1

<400> 11519

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 atcttgaact atctcctccg tgtcctcact ttctcaacta cacaatattc ttattgcatt 120
 ccatcggaag gaatcatgag ttgcttccgc tgtcgagagg aagatgacta ccagaggact 180
 gctgcaagcg gaggacagca tgtggtaaaa aactaaacag gatatgatgg aaacagtctg 240
 gcatccgaaa ctgcaaagca ggggactcaa gctgttaaaa gttcagccca ttgaagtcc 300
 tgaattacaa gtggatgaac tctgagaaat caccgatggc tctggagaat gtactatgat 360
 aggagaagga tcctatggaa gagtatagta tggcgctctt aacagtggac aggcagcggc 420
 attcacgaaa ctagatgcc a gtaaacagcc tgat 454

<210> 11520
 <211> 475
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131g08d1

<400> 11520

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 agtcactttc ttatatgtta cgtgcacact tatgcacata ctcatgata cagatataaa 120
 tatagacaaa gatcaatatg gagtttgacc agcaggccca tgtcttgcatt tcaataaagg 180
 ttgaagagct cagactacaa tgctcatgtt tggctctgaaa tcagcttcat attgcacgca 240
 cagggcaaca acagcggcca tcttatcaac agctttgggt ggatattctc ctgctagtct 300
 tgcattctacg cactgtctga ctctatcctc actgagtctt ggagtagccc aagtaaccaa 360
 gctgtgctgc ccacgtggaa atgtatgac aacaggcttc cttacaggca aaagctccag 420
 aaggacaaca ccaaagctgt atacatcact cttggcattc aattggccag tcatt 475

<210> 11521
 <211> 440
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131g09a1

<400> 11521

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 atcttgaact atcacctccg tgtcctcact ttctcaagta cacaatactc ttattgcatt 120
 ccatcggaag gagtcatgag ttgctgccgc tgctgagagg aagatgacta ccagaggact 180
 gctgcaagcg gaggacagca tgtggtgaaa aactaaacag gatatgatgg aaacagtcgt 240
 gcatccgaaa ctgcaaagcc ggggactcaa gctggataaa gttcatccca ttgaagttcc 300
 tgaattacag gtggatgaac tctgagaaat caccgatggc tctggataaa gtactatgat 360
 aggagagggg tcctatggac tagtatatta tggcgatctt aactgtggac aggctgcggc 420
 aatcacgaaa ttagatgcca 440

<210> 11522
 <211> 305
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220131g09d1
 <400> 11522

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 aggggattat gaagccctca cttacttgaa tggcccggtgc actctatatg acatactcat 120
 cgaaactgtc attgttatag accaagaaca ttttggacct ttaccattag gaccctcaat 180
 tgcattcgac ctaggtcttt taggccagaa ggctatgctg cgcttcggct ttatatgacc 240
 gttccgggct cccctccaga cgtctagagt gagagagaga ccaccacttt cctggggaga 300
 gaacc 305

<210> 11523
 <211> 305
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220131g10a1
 <400> 11523

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 atcctgaact atcaactccg tggcgctcact tcttcaagta cacaatactc tcctgcctt 120
 ccatcggaag gagtcatgag ttgatccgc tgctgtgagg aagatcacta ccagaggact 180

gctgcaagtg gacgacagca tgtggtgaaa cactaaacgg gatatgatgg aaccagccgg 240
gcattcgtaa ctgcatagca gggaactcaa gctgtagaaa gtcacccac tgaagatcct 300
gaatt 305

<210> 11524
<211> 282
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220131g10d1
<400> 11524

gtaaacattg gtttatataa acatgttaaa gcaaattggg atgggattat taagcagtca 60
cattcttaaa tgccacctcc actgttacac acacactcat cgaaactgtc attattatta 120
cacaaagaaa aatttgaacc ctcaccatta tgcccatgat ttgcatacaa catagggtga 180
ccaactccta cggccatcct tctgtatagc cttaaatacag caggaaacac cactcacagg 240
gcagactcag ggggcatctg aacaaccgtt tttggtggat at 282

<210> 11525
<211> 334
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220131g11a1
<400> 11525

ccttgactct ggcggtcatc gttacttata ctggacgaag cagatgacct tgaacatctt 60
gacctgaact accaactctg ttgcatagca gctctaagaa aacatcaata tcacgcccgg 120
ccatagacag cacagggttag tagtagacgc tgtccaacgt gcggtaacgt tcagcggact 180
gcaacttgag gactaccgca caggagatgc ctacagcata cggagtgtga ttaccatgtg 240
agctatcact acatcaaagt ataggcacgc acaacttaga tatgaaccgg actggccaga 300
atatactcgt aaatgatgat cgctgagaca ccgt 334

<210> 11526
<211> 311
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220131g11d1

<400> 11526

ctacagaatc tggcaatgta gacgaggctg ggaacaacct acaatgctca atccttatta 60
 aaagcattcc ttgtacatat acaccgctta acccagacat gatctttgac caatcaacat 120
 gtcctagggg gcaaagggtg ttaagctctg ccacaacct agcaactgct cttcgaatgc 180
 gctactccct taaaggctc agagtcttaa ggatcctctc tctctggtac atatccatat 240
 atgctgaatg agcatgcgct cacctgtact tgtgtaataa gaggccccgg aatggaagac 300
 cgcttatttc a 311

<210> 11527

<211> 337

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131g12a1

<400> 11527

cctcgactct gtggatcatc gcacctcatg ctggaagatg ctgatgacct tcaagatggt 60
 gttcggcatg accaaccgc ttgcggcgaa gctctctgac accgtcatca tcctcatagg 120
 ctccatgcat cacacgttat gagatagacc agggccatac tgcggttaagt ttcagcatac 180
 atcaacttga tgcacgccgc accgttgacg cctactccat tcgggggtgtg cgtaccatgc 240
 agcatgttat acatcatggt gtcggcatcc acagctacga taggacactg actgggcata 300
 ccacagctcc tcaatgatgt acgctccgac accgtcg 337

<210> 11528

<211> 406

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131g12d1

<400> 11528

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 taagcacaaa ggttgggtta tgctagtgga cctgtcacta tccggagaac taaacgcttt 120
 tttgtgattg gaatttttgt aaagtggcgt ctttagaact aaagaagacc accggggccc 180

cccctttgtg gactgctgaa gaaggcgcct aagttggaaa atggatgctg catacgggaa 240
 gagaacataa cacctcttct gatgcgattc acaggacccc taagtgggac ggtacgcggg 300
 cagttattta cattggagca ggaaattata atgtgcaacc ctaaatttag acaaccaaga 360
 ctcttgtcac ctttgttga gtaccacaga aaatgccaca cttgac 406

<210> 11529
 <211> 513
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220131h01a1
 <400> 11529

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 aattctcctt ccaaagcttc caaatgcttc gtcctaatgg ctttaggctc cttcgatcgc 120
 tgcccgaaaa actcctccgc cagcccaacg aacccatata tgatggagtg tgccaaaggg 180
 gttataggac attgagttct ggtctttgta atccatccag agttattggg aatttttctc 240
 caaatgttgg aaatggtgtt aatttgaaga acttggtgct ttttggagcc gcggatacat 300
 attgggggac atctagatcc gttcatgggt cagcatcatt ggcaagggac tattacgaag 360
 tgcttggtgt gagtaagaat gctagttctt ctgaaataaa gaaagcatac tatgggcttg 420
 caaagaagct ccatccagac acaaacaag atgacctaag gggctgaaag aagtttcaag 480
 aagtttcaat ggcatatgan ggtttgaagg atg 513

<210> 11530
 <211> 532
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220131h01d1
 <400> 11530

gatcaataga cagatgaata tatatatagt ttcattgtga cactatgcag aaattatatt 60
 ctagtttacc catgggtcaa tgataaaggc tctccttta tgtgacgtga tagtaggaaa 120
 aagaatcaca ttgagtgact tgcgcccttt cttatgttat aaggaaacta tatacagcac 180

tgactagaat tctagcctag aggagcatga ggggattgcc ttctaagttc taacaaaaaa 240
 aattttgaat tgtgatcatc ccttgggacg agaaataaat attacatata ctcgaaaaag 300
 tggaaggaat taagaaaaga attaccaatc cttaatccta caaaacttca acaaccgcct 360
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 ctctctgttt atcaaaatct ccttgcctct ccttggcaaa ctctttaatc aattcccgcct 480
 gtctctctgt cagattgttt ggaatgctga cgttaaaatg aacatattga tc 532

<210> 11531
 <211> 467
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220131h02a1
 <400> 11531

ggcatcattg gcatgcaaca cgtttattgt tagcagcacg ttaagatcag ttgttactcg 60
 tgcggaacca cctaaacctg gtccctctttt cgatcttagt tcattcaatc gccacagctt 120
 tccggcaggc ttcactttcg gggcatcatc ttccgcgtac cagtttgaag gtgcggcaaa 180
 agaatatggg agaggaccaa gtatatggga tactttcatc aatcaacatc caggtaagat 240
 agcagatgga acgaatggag atcgcgcact tgaccaatat caccgctaca aggaagacgt 300
 tcagatcatg aaaggatatg atttggatgc atataggttc tctatctctt ggtcaagaat 360
 cctcccaaat ggaaaactta gtggaggtat aaatcgagaa ggaataaatt attacaacaa 420
 tctcatccat gaattgcaga ctaaagggtt aaaacctttt gtgaccc 467

<210> 11532
 <211> 374
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220131h02d1
 <400> 11532

ggggaaaaat cccaaccttt aataattcat aggtaaattt attaccttgg taaaagttac 60
 ccattcaaa gcagtccatt ttggaaaaat ttccggaacc cttttgcaga aagttttgga 120
 aatcgggtca aattatTTTT gggatcccca aaaatcaatc ccaatcgggg gttataaccc 180

ttactccatt caaaggagtc cagccgggac cgcacaaaaa atccctttac ttttacgcca 240
 tcccttattg gataatcaac attcaattga tgaccattat ggtaatcaat tctggaaaaa 300
 cccctaagag attccccagg ggatagtggg ggaacctcta aatcatttat tccacttttc 360
 gggttttaaa acca 374

<210> 11533
 <211> 512
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220131h03a1
 <400> 11533

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 cctggtagaa ccagaaaagc aagttgttgc attagcagat gcatatttct tccctccttt 120
 ccaaccatca ctgctcccta ggacaaaagg tggacctgtg attccaacta aacttcctcc 180
 aaggaaagca agactagtgtg ttacaataa aaagtcgaat gagacaagca catggattgt 240
 tgaacttaga gaagttcatg caacaactcg aggtggacac cataggggca aagtgatttc 300
 atctacagtt gttcctgatg ttcagcctcc aatggatgct gtggagtatg ctgagtgtga 360
 agctgttgta aaggactttc ctccctttcg tgaagcaatg aagaagagag ggattgagga 420
 tatggatctc gtgatggtag atccctgggtg tgctggatat cacagtgaag ctgatgctcc 480
 tagccggaga tcttgctaac cactaatctt tt 512

<210> 11534
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220131h03d1
 <400> 11534

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 taataggcgt ttcttaaata tccagccagg ttgaaaccag cacaaacagt tgtattgaat 120
 attttattta ataatttgaa cataaccacg tagagaggca gatcctcctc attttttatc 180
 ctttcaaagc ttggcaatta gccattctg aataggcttg gctggcaggc cattctcttt 240

gtcatccaaa tcacttttgggt ttgggtggaac atcaacagca ggcgagcaat tgaaaaaccc 300
 atgcggcata agcatgaaac caatgcgttc cacgggcata acaggccagt cttccaatct 360
 aggaatgtgt gtcactccaa atacgtacca aagaactata tcagcttcct ccagtgatcg 420
 attttgctta acccaagtag ccaaaccctc ttcaacacgt ggattttgat tagggaac 478

<210> 11535
 <211> 573
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131h04a1

<400> 11535

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 tgttatttct ggaatcttcg attacctgca agaccttgca gaaggaagca cattgtatgg 180
 tttcaggggt ggtccagctg gcatcatgaa gtgcaaatac gttgaactta cctcagacta 240
 tatttatect tacagaaatc agggctgggt ttgacatgat tcgcagtggg agggacaaga 300
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 gccttgttgt tattggtgga gatgactcaa acacaaatgc atgcctcctt gctgagcatt 420
 tcaggagtaa aaatatgaaa ctcgtgtgac tgggtgccct aaaccattga tggtgatttg 480
 aaatgcaaga agttccacaa gtttgggttt gatcagcatg cagatatatg cagaatgatt 540
 ggcatgttat gatagatgct cgataactgg aaa 573

<210> 11536
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131h04d1

<400> 11536

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 cactcaggta ctcatgtctc aacctcctat ttacatcact attaccgtac ctaaattgacg 120
 agacgattaa acattgaact aaaagatcat ggaacgacat attcccaaaa cataaatata 180

agtcgatgat gttgataaag cataaactat tctctagcaa agttccaaag tgaaaaacac 240
aatcacttga ctaatctccg gtctattata tttgtagtag ttccccaaaa acatgaattg 300
ccaccatcaa aaaggcttca gaatgtctta agcttgtgca ccaagctcca agagtaaagt 360
gtgattaatt gcatcagatc ctgggccagt gaattgaatt ggacctggac taatgtagca 420
atcttagggc ccactcatcc ctcaaggagg caaacttttt gaaggggtgcc ccttcaagct 480
ccaccattgc cttcttgatc acaggcttga atttaccatg tctcctcttc acgtccatca 540
atgaagtgag tg 552

<210> 11537
<211> 576
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220131h05a1
<400> 11537

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ttcagcagga attgctggag gctcatgatg gtgccagtaa agggaaatat actattggac 120
ttgggtcaaga ttgcatggcg ttttgtacag aagtagaaga tgtcatctcg atgagtttga 180
cagtagtttc ttcccttctt gaaaagtatg cgattgatcc taaacaaatt ggctcgtctgg 240
aagtaggcag tgagactgtg attgacaaaa gcaaattccat caaaactttc atcatgcaaa 300
tctttgagaa atatggaaat accgatattg agggcggtga ttcaactaat gcatgctatg 360
gaggaactgc tgctttgttc aattgtgtca attgggtgga gagcagctca tgggatggac 420
gctatggact tgttgtctgc actgacagtg ctgtctatgc tgaaggacct gctcggccta 480
ctgggtggagc cgctgctgtt gccatgctaa ttggctctga tgctcccatt tcttttgaaa 540
gcaaattgan gggaagtcac atggctcatg cctatg 576

<210> 11538
<211> 284
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220131h05d1
<400> 11538

ggataatgga tgtctttctt ttttacgaaa tgaaaagaaa taatcagagt aactggaaaac 60
 tgggaccccc ttcgttaaca gaataccggg gactcaaact tataacgtcc aatcctttac 120
 agggctttac attttcaaaa gcataattgc tagaaacaat tttggggggg atcattttaa 180
 cttggagagt ttcggaaaat ttttgaacta acaacacctg gctgctacag atttcataat 240
 tgtgcgcttg gcttccctta agaagaagct aattcaaacg agaa 284

<210> 11539
 <211> 540
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131h06a1

<400> 11539

ctttatccta cgccctcctc cctacttata ctgcgcatat ttcgccgttt tctcgccgag 60
 atcttgaact atctcctccg tgatctcact ttctcaacta cacaatatcc ttattgaatt 120
 ccagcggaaa gaatcatgag ttgcttcggc tgttgtgagg aagatgacta ccagaagact 180
 gctgatagtg gacgacagca tgtggtaaaa aactcaacag gaaatgatgg aaacagtcgt 240
 gcatccgaaa ctgcaaagca ggggactcaa gctgttaaaa ttcagcccat tgaagctcct 300
 gaattacacg cggatgaact cagagaaatc accgatggct ttggagaaag ttctttgatt 360
 ggagagggat cctatggaag agtatattat ggtgttctta aaagtgggca agctgctggca 420
 atcaagaaat tagatgccag tcaacagcct gatgacgaat ttttagccca ggtttcaatg 480
 gcttcacggc tgaagcatga caattaggtt caattgcttg gatattgcat tgatggaaac 540

<210> 11540
 <211> 320
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220131h06d1

<400> 11540

gcaatgtaaa ctttgggatc tataaacatg ttaaagcaag gagggatccg attcagaagc 60
 agtccctttc ttatatctaa cgtgcacact tatgcacata ctcaatgata cagatatata 120
 cacagacaac cataactacg gagaaccacc aacaggccca tgaattgcat tcaataaagg 180

ttgaaaagct cagactacaa agctcatgtt tgggtccgaaa tcacctttaa cttgcactca 240
 caggggaaca tcagagggca tctagcaaca catattggtg gatattctac tactagactg 300
 gcatttacac actgtctgac 320

<210> 11541
 <211> 594
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220131h07a1
 <400> 11541

gtggaggtgg agaaggatat ggggttctac gagacaccgg tggttcctca catgggcagg 60
 tgcacgtgca cactacattc tctgcgtta aacttgcatt aagagacatg tactctctgc 120
 ttggatgcac actaacatac tgactattgg caattctgac ccacattcac gtgcaactgg 180
 atctaatttc tcgaacagga cctcaatatg ctgacagatc tgaattatgc tcagggatat 240
 caacgccata atgagatcag atctgaaacc ctcagaagtt catggtaggg tatgctagtg 300
 ttcatgttat cagaagcatc aagcatgccg atcgcggagt ggagcgtact caatgggaat 360
 atgcggatga tcacagacat tgaatttcca cttaaaggag tatttcacgt ctggggaatg 420
 cacgtgcaga actggagatg atactccttt accgtgatgc ttatgatgat cagcgacatg 480
 tgtatcatgt atatctgggt gactacgaca tcattaagga ggcatatgat gctgttgatc 540
 tcgggatcaa tcagtatgat acagaccagt ctgcaagata cgtgaataat actc 594

<210> 11542
 <211> 399
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220131h07d1
 <400> 11542

gtactacggt tggaaatgat ttatcgtact tttgaagatc tactgctctc tgaggagaac 60
 catatagaca caagaaattc tttgttataa gatgcttata acaataggat caatgacact 120
 tatcaacata gtagacaccc gacattcatt aactaatata ttggttaaac tattgaaaga 180
 aaattgggat aagacagacc acctatgagc aaatgagtta atgaacttga tatagaacca 240

tgtttaagcc actgttccca gtcccatgg ttcataatgca ttcttcaacg caatcagtaa 300
 agcgtactgt gaatgagtgc gcaaaatcag tgattgcctt tggatcatat gatccccctt 360
 tacattatta aagcagccta tgccatggcg caggcacca 399

<210> 11543
 <211> 544
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220131h08a1
 <400> 11543

cggagtggaa tcccgagaag gacttgctcg ccatggtgac tgacgattct aagatcttgc 60
 tccatcgttt caattggcaa cgcttggtga ccattactcc aggaagatgc ataacatctt 120
 tgtgttggcg tcctgatgga aaagcaattg ctgttgggct tgatgacggg acattgtcac 180
 tgcattgatg tgagaatgga aagctattaa gaagcttaaa atcacattgc gctgccatta 240
 tatgtctcaa ctgggaggag gagagtcagc taattacaga tgactttggt cacacttcca 300
 aatatgaaga tagaacctct cgtttcttct ctctgctcc aagagttoct cggatgcctg 360
 gattggtatc tggggataat ggcttcatgg atgatagcga agattcattt caggagctgt 420
 caaattcttc tcaccaacga ttcaacatcc tatgcagtgc agataaagat ggaaacattt 480
 gtttttagtat atttggcatc ttccctatag ggaaagtnta catacacaac cttacttttc 540
 ctac 544

<210> 11544
 <211> 523
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220131h08d1
 <400> 11544

acctcaaaca attagcaaat tattattaat gggactataa ctccagtact ttcggtcttt 60
 tactctgttt gatctttttt acttttttgg gcttaactga ttacttctat cttaggaaaa 120
 ataattaaat taattacgtg ttcaagtga cactaataag ggatatggac attctacaac 180

gcgcttagtt ctttcaatac cgcgtcaagc actctggccc attctctggc gtgccccag 240
gctacctcac tggcgagtct cc 262

<210> 11547
<211> 295
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220131h10a1

<400> 11547

ctttaagatc ttccatgccc gctactttgc gtaggcgaat tatagcatgt tgacccgggg 60
aacttgagac tatcaattcc ctttcatcac tgttcctatg ccacatatgt ctcatcgtgt 120
gccatataca cgaatgctga gtggactgcc gctgtctgaa gccagacaac tttcagaaga 180
ccgttgcatg cggacgagat cttgaattgc tctactttac acctcaagaa catgccaat 240
aggctccaaa aacgcttgta ccgagccacg cacactttcg atcagtatcc cactg 295

<210> 11548
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220131h10d1

<400> 11548

tgccatagat gcgnatagat ncttacgaaa taagtcctcg gaagcacccg ctactagcc 60
ggggatcgcg cttgagttgg atgattgttc cttttatattt gacgaccgg agggatggga 120
tgtcctgggg ggcccggatt cacctcttgc ttttgggtcaa tccaaaacca agtttcaa 180
ggaacccaac accggagcga cattttatga tgatgctggg gtggatgaag ccaagccaga 240
ctttatggag gttgtggagt ttctaataca tcttgcaagg ctactaccg gataaagctc 300
gcataccgag aggacatgtc ctagcagtta ctccaagaac tgtaaagaca ctgccagcca 360
acgctattga tg 372

<210> 11549
<211> 465
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131h11a1

<400> 11549

gtttttgttg ctgagtgtgc gttaaactgt gtaagagagt tatagcagca ggtggaggag 60
 ctctgcacc tacgatcgat gatccacaac cttatcctcc gacggatcag ttaccgaatg 120
 cttcttactg cattacgagt cctcctccat ggcctgacgc catacttatt ggttctcaac 180
 attatctggt gatgctcga acaactgtgc ttattccac tgctcttggt cccagatgg 240
 gatgtgtcaa tgaggagaag gcacaagtta tacagactct actttttgta actggaatga 300
 acacattgct gcgaactctg cttggaactc gattgcctgc agtaattgga gggctttata 360
 cttacgttgc tacaacaata tctattatc attatggcgc attcagtgc gagccagatc 420
 ctatagagca tttccagagg ataatgcggt caagccaaag tgctc 465

<210> 11550

<211> 361

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131h11d1

<400> 11550

gggcacttaa cttcttttta ttaactttcc caattccaag tcagcgtgga cataaagaaa 60
 agccatttcc ccaatgctat aaaatcttgc acagcccaag aggtcttctt gtcccgatta 120
 cctggcatca gaccccatct cagctcacia aaagtctaag tgcgcccttt cagcctcgct 180
 tgggactcac tttggcatga actgaaaccc ctttttttta ttagataaga ccgcacagt 240
 acacaaaatg ggaagcattt gttgaggcag aacggcagtg aataaaaactc tccacttggt 300
 gagcccacca tgaaggatct gtgctttgac caccaatgct ttctgtatc tatccgaata 360
 t 361

<210> 11551

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131h12a1

<400> 11551

gttctagatc gtgatctaga gctagaccgg agttgggatt tataggaacc ctctatgcg 60
 ttcatattatc gatccacgtc catccacatc tttcttctcc tattgtctct gtactgtatg 120
 cttcttctct gcatgtgaga gtacgactcc atggacttga gcgatgctga ttgagaatca 180
 agggggactg cccatgctct gaactccggg gcatatcgga tctgcgctag tgggcgatac 240
 tgtatgcgtg aatgtacctt 260

<210> 11552

<211> 303

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220131h12d1

<400> 11552

ggtcacttat tttctttttt ttaacttttt gaattgcaat taggtgggga cgaaaaaaaa 60
 atggatatta ccacggccat agaaattcgt ataatccaag acgaccttat ttccctatta 120
 cctgccaaga tacccaagct cttgtcacia aaagtctaac cttgaccttt gagacacgct 180
 agggactcgc tgggtggatga atggcaaccc cctatttttc tggagccacc cccgcaccca 240
 cagacatggg aattattctt tgagacggaa acgccgagca taaatctctt tagttcccgg 300
 gcc 303

<210> 11553

<211> 509

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132aa01a1

<400> 11553

gctgggtgga ctgaaatcgg tggagaacgc gcacgatgat tcggtgtggg cggtcacctg 60
 ggtaccgcga accgccaacc gaccaccgct cctcctaacc ggttcctctg acgagaccgt 120
 caggctctgg cgctccgacg acctcgtttt ggaccgcacc aacaccggcc actgcctcgg 180
 cgtcgctctc gtcgccgccc accccctcgg ctctgtcgcc gcctcctcct cctcgcacag 240
 cttcatccgc gtcttcgatg tcgattccaa cgccaccatc gccaccctcg aggctcctcc 300

ctctgaagtt tggcaaatgc gcttcgatcc caagggtgcc attctagcag ttgctggcgg 360
 aggtagtgc tctgtcaagc tttgggacac ttcctcatgg gaacttggtg ccactctgtc 420
 aattcctcgt ccagaaggac agaagccac agacaaaagt ggcagcaaga aatttgtgct 480
 atcagttgca tggagtcctg atgggaaac 509

<210> 11554
 <211> 524
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132aa01d1
 <400> 11554

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 ataacattcc acaaagagta caaatacagc acacaatatc taaatcagga ataatcatac 120
 agtgatatgc tcttgtcatc tgatacactg gcaagtcgac cacctcgac atcactccct 180
 ccaggtggtc taaatgcgac tccccatacc tggctgaat gattgctcat tgtctgcaca 240
 gatgccctca tgtaagatc ccatagcctt acagatctat cacttgaacc tgtagcaatg 300
 gctgccccat ctgggctcac gtccacacac agtaccacac tagcatgacc tgacatggtc 360
 ccaattaaag cttttccctc agcatcatac atgttgagc tttccatcat ccgaagctgt 420
 aaacagcagc cttggatcat aaggagaata aacaagagat cgcccaggca tgaagtgacc 480
 ttccaggtga tgcaaaaatt tggcgcgggg cacatcaaaa actg 524

<210> 11555
 <211> 487
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132aa02a1
 <400> 11555

agagtaacca aaaggagagt gcaataactc gttgtacatt cctagtgtgt gggagagaca 60
 tggctaagat gtgtgttttg gtgttggttc ttgctctggc tgtggccaca agtgccagaa 120
 acgttcccaa cccaaggat gctggcttta aggaccagaa gaacttcac agctatgggtg 180
 gagttgggtg ttattccggg attgggaaca atggactgcc ttttggagga gctgggtgccg 240

gaataggtgg tggttttggc ggaggtggtg gacttggtgg tggcctcggc ggtcctaccg 300
 gtgggatcgg agggtttggc ggtaccggtg gcggtgtcgg tggcggtatt ggtggcggcg 360
 ttggaactgg cgttggtggt ggcagcgggtg ttcttccttt cccttgaaat gatgaacatg 420
 catgcatgca tgcatatatg ctccgtcacg tttctttgat tacactagtc tttatttttc 480
 ggtcggg 487

<210> 11556
 <211> 369
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220132aa02d1

<400> 11556

agtaaataaa tggaactcat atattgaggg cattagttcc atgctaaata tgaaatattc 60
 catatgtaaa agaaccacgt ttttgagtga ctatggctgt cacaaaacct aagcgaatga 120
 tagaccaga atgacacatt acaactatth tttactttcc acaggcgaaa gaaacactag 180
 aacaaagctt gaacgattaa cgacacgtac aagcacaac cacaattatt tcccgaacga 240
 aaaataaaga ctagtgtaat ccaaagaaac gtgacggagc atatatgcat gcatgcatgc 300
 atgttcatca tttcaaggga aaggaagaac accggtgtca ccaccaacgc cagttacaac 360
 gccaccacc 369

<210> 11557
 <211> 435
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220132aa03a1

<400> 11557

cttagctgaa ccctcacctc aatcttgctg gctagctagc tttattccaa ttcctacaga 60
 accaaattat tctgctagct agctagtacg tcaaataaaa taaaataatc aaatatggca 120
 ttcagcggga cccaacagaa atgcaaggct tgcgacaaaa ctgttcaact tgtcgaaggc 180
 ttatctgccg atggagctgc ttatcacaag aactgcttca gatgcagcca ttgcaatggc 240
 cttcttgcca taagcaatta ctcatccacc gaaggagttt tgtactgcaa ggtgcacttt 300

gagcagcttt tcaaggaaac tggaacctac cccaagaaat cccagtcgtc tggaaagcct 360
 ccactcgagc tgaatagagc accaagcaag ctttctgcct tcttctctgg gactcaagag 420
 aaatgttcaa aatgc 435

<210> 11558
 <211> 491
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132aa03d1
 <400> 11558

ataattaagg agagttgtat agaaaagaga ttgcttttgt aatccatcat caattcagac 60
 aatagaatct tctttttcta ctctgatatc tgtttcttaa tacacagaat gaaatacatc 120
 tgaaatgact gaggcctggc ttgcactttg gcttgagaaa gtcattgtaca tgcccccagg 180
 aacagagagg cttaacctac tgattgtttg caaattatgg aacacataat actgtaatag 240
 cccttttttg ggaatgatac aaggccacga cccaatcaat caggaacttc aaaatgtccc 300
 aaatgaaatg gggatttact tgtagccaga aagatcaatt ttactcaaag acacaagtga 360
 agacccccgc ttgcaaaaat taatgttcca tcaatcaatc tagtgctctt gctcagagtg 420
 atcatcatca gcttgttcag cttcctttgc tgctgttgtc gtgtctggct ctgactctga 480
 gcgatcatca t 491

<210> 11559
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132aa04a1
 <400> 11559

gagtacttgt tttgggatgc ttttcacatc actgaagctg gcaatgttgt tgtggctcag 60
 agagcttaca gtgctcaatc tgcattcagat gcttaccctg ttgatatcca acgcttagct 120
 cagatatgat ctctgaacaa tcaacatgtt ctagtgggta gtggctatta agctctgcc 180
 caaccatatt taatgttctt cgaatgtgct actcctttta aggcataaga gtcttaagtt 240
 ttctctcttt ctcttacata ttcatatatg ctaaatgttc atgggttcac aagtacaggt 300

gtaatttgtg gtaaagtttt ggaagattgc ttatttaatt atagtgaata atagtatg 358

<210> 11560
 <211> 363
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132aa04d1

<400> 11560

atgggggaaac attatactat ttttcccttt aaataaataa gcaatcttac aaaactttac 60
 cacaaattac acccggtgctt gggaaccctt gaatcattta tcttttatga atattctaga 120
 gaaagagaga aaacttaaga cttattatgc cttaaaagga gttgcccttt cgaagaacat 180
 taaaaatggg tggggcaaaa cttaatagcc actaccactt aaaacatggt gattgtctca 240
 aagatcatat ctgagctaac cgttggatat taacagggtg agcccttgat gcaaattgag 300
 cacttcaagc tttttgagcc acaacaactt ttccagcttc tgttgaata aaagctttcc 360
 aaa 363

<210> 11561
 <211> 535
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132aa05a1

<400> 11561

gtgcattgaa ttggtgctgc atttactcaa cgaattgaac aaggtggcat gatgcgatga 60
 gttggtgttc tatgagggtg ttctcagtgt aacactctga atttgaagca aaatgttcag 120
 tccaagcatg gattctgcaa gggatgagag tgggtgtggca gggaccgtgc tcattcccat 180
 gcggtttgtg tggccatacg gaggaagaag tgtgtatcta agtggttctt tcacacggtg 240
 gtctgaactt ctacaaatgt cgccagtggg aggttgccca actgtgtttc aagttattca 300
 tagcttgatc cctggtcac atcagtacaa gttttttgtt gatggagaat ggcggcatga 360
 tgaccatcaa ccttgtgtat ctggagaata tgggatagtt aacactgttt tattggctac 420
 tgatcctaatt attgtacctg ttttaactcc agaaatagtt tctggatcta acatgggatgt 480
 ggacaatgag gcttttcgat gcatggtccc gatgacagac agtacattaa ataata 535

<210> 11562
 <211> 501
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220132aa05d1

<400> 11562

gcccacacc acttgacaat gcccaattacg cactatccat cgggaactaa agatagtcaa 60
 caaaacaaga gtttttcogaa tatgggcctc ccaataatct ccccccccg aatttggatc 120
 ttcacaatat gaaacgattt cagacagaca ttgggcactc ccctttgctt gggatatctat 180
 aacaggggcc caacatatct gaacataata tgactggggg tgagatgaat aaatttgggg 240
 caatcagact aaaattttaca ggcctttttt tctcaagcct aaaatcttaa aacaaggcaa 300
 tgaaccaaga ggtcaatcca attgtatttc aatgaaataa agatcaaata accgggtaaa 360
 agctctggaa tctcttttta ggggctgggc ccaaatgggt gcctgactat atgcataagt 420
 gtcacgaccc ccacactaac tgggtataacc caggaagaag ttgaatatgt cactcaatgc 480
 tatgaagcct tttacgcgt t 501

<210> 11563
 <211> 470
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220132aa06a1

<400> 11563

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 tgtacagtga tcgatctcaa gaagaaagac tcaaaaaatg gaggggaatc tagagaagaa 120
 gttgctgagc aaagaggaag tgtcagaaga agataattta tcattgggtga agagggtgtg 180
 ggaagagagc aaagagatgt ggatagtggc agcaccagcc atattcacia ggtttacgac 240
 ctttggcatc aatgtttataa gccaaagctt tattgggtcat attggttcaa gagaactcgc 300
 tgcctatgct cttgtattca ctgtcatcat acgtttcgca atgggtattct gttaggaatg 360
 tcaagtgcgt tatcaacact ttgtggacaa gcatacgggtg caaaagaata tgacatgatg 420
 ggagtgtatc ttcaaagatc atcgataggt tttgtttcta actgcactct 470

<210> 11564
 <211> 577
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220132aa06d1

<400> 11564

agcaactact tatataatTTt tattaatttTt agaaatattt gagagagaat atactgatag 60
 gatggtacta tagtataata actatcaagc aatcccctga atgtataacg tacaatagcc 120
 aaacaaacaa tgatgatatt gataaatagg agtctgaaac taattatctg atgtacttgt 180
 ttcaggaaca agtccacctt ataccactta ctaatacgat tacgggctat agttacctgc 240
 tcatcccaat tagttttgta ggtgattata gttaggacta tagtttgaac tagtgtccca 300
 aacaacattc caatccaaat acccttgact tccaagtga aatgtttacc aagtactatt 360
 ccaactggaa tacctatgag gtaataacac cctatgttca catacgctac agtgctctgc 420
 caccctgctc caacagccac ccctgttgaa atcatacaat ttcatgactc tcagactccc 480
 caattgacaa attaatntng gctttatcat gcataaacia ttgggttcaa atcttaaaca 540
 tattcattaa accaagacac caaaagtata tagcata 577

<210> 11565
 <211> 377
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132aa07a1

<400> 11565

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 tggccaatag ctttgatTTt cagacaagg atttgagtc cgaggaaagc ctgtgggact 120
 tgtacgagag atggaggagt caccacacgg tttcggaag ccttggtgac aagcacaagc 180
 ggtttaacgt gttcaaagcg aatgtgatgc atgtccataa caccaacaaa atggataagc 240
 cttacaagct gaaactaaac aagtttgctg acatgaccaa ccatgaattc aggagtacct 300
 atgctggctc aaaggTTaat caccatagaa tgttcagaga catgccacgt gggaacggga 360
 cctttatgta tgagaag 377

<210> 11566
 <211> 567
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220132aa07d1

<400> 11566

gtaataagca taaatatatt gatggataca ctggcattga atctgagata ctaatagaaa 60
 acaacaacca aagctaatta gagtatgatt ttgtgggaag cattcaaact tcaaagttca 120
 tcttttaggag atgatgaagg tcctgttggga ttattggagg agtttttgat tgcgtaggaa 180
 gccaacatag ctatgccaca tagtccttgc tttttagata tgttcctttg cattctgatg 240
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 tcaacagttg ctccataccc cacaatcgcc acaccatgat ttagctccgt gctacaatca 360
 ccagtaaata ctccctcgga gtagaactgg aaatcagatc ccccggcac aatggctaca 420
 gaaacaggtt gggtggcaac agctttgagc aatgcatttt catcgttacc aggtacattc 480
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<210> 11567
 <211> 551
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220132aa08a1

<400> 11567

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 agaaagagct gcagggatgt attcagcttt atcatttgca tttgctcagg ttgtgattga 180
 gttcccttat gtgttcgcac aggctattat atactcttca atattctatt ccatggcttc 240
 ctttgtctgg actttcgata gggtcatttg gtacttattc ttcattgatt ttacgatgtt 300
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caaggatgga aaaccgatac ttcattggga ctcaattgat aattttttgt cattgactgc 480
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 tcatcgggta t 551

<210> 11568
 <211> 594
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220132aa08d1
 <400> 11568

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 cctgaatttt tgtaaacc aaataatttg gataatgtat tcttattagt ttacaaaccc 180
 taaaagcaca ctagtgtat gctataatca tatcgctata cagatgtcac gcttattttt 240
 atgaggtatc gaagatctaa catacaattt gggtacaatg tctctagtgg ctacgaagtc 300
 tcatcccatc atctcctttg gaaattgaag gatttaattg caaaggcaaa tataattgca 360
 aaaaatatgc agaagccagc caccataaca gcagtaacgc acaagaaatc atgcctgtac 420
 ccaaacacgt gtttgagtac ctctcttata gtcacgagt ttccattaga gagcttcact 480
 aatgagttt caccaccata ctgtgaagtt aggagaccat acagactcca ggctacaggt 540
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<210> 11569
 <211> 524
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220132aa09a1
 <400> 11569

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 cgacgcaaga cgaataacat tacataatcg aatttacatt cgacacttaa aacgccgatc 180
 cgtacatttc tctagctgtg tcgttttgac tgatcaatga atggatttcc gagacacgag 240

cgccgatggg cgtccgacag cgttccggga aaagcgaccg tcagcgccgg aacttcgccg 300
 ggaactgagt ccaactccgc cgcgaggag tttgtggagg tgactctcga tcttcaagac 360
 gatgacacca tcgttctccg gagcgctcag ccagcctccg tcattaacat cgacgacagc 420
 gtcgcaggca gcggaaacca aactccggcg tcggtttcga ggtctccgac gatccgctcg 480
 agctcgctga gaggattccg gcagttctcg caggagctga aaag 524

<210> 11570
 <211> 517
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220132aa10a1

<400> 11570

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 cgcccgtttc cgcggcgcga agatctgagc atgcggtgcg tgcagtgggc gttcctcggc 180
 tgccccggcg tcggaaaagg aacgtacgct agtcgcctgt ccaacctcct cggcgtccct 240
 cacatcgcca ccggcgatct cgttcgcgac gaactcgcct cctctgaccc cctttcttcc 300
 caggttctct tcttcttcc cttcactttg aattaactag attaatTTTT gtaacgcaaa 360
 tttggtcaag gttattgaaa tttctgcgta cggcgcagcg cttagacaga aaaatgggat 420
 gataattatt attttaaaaa atataaaaag ttgtcatcta atcacaaacc gttaccataa 480
 gttgttcgta caaatgttct gacacttgat cccttac 517

<210> 11571
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220132aa10d1

<400> 11571

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 tcacatttaa tttacaacaa tagtgatgat gcaccaatcc tatcgacgtt gattcctgac 180

caactatctt tctagcaata ctgggatata ttattcactc ttcacaataa cattatatgc 240
 taggaaaccc ttcccatata accaaattat acgaaaacaa aacgcaacac taccagtctt 300
 atcagattac aacacttaca aatatcatca ttgggtccaaa ataatactag cagagaagtt 360
 cccttgcttt gggtctctgt cctgcaaaat tgccaagcat gcaatataag cacgcaaaga 420
 atgaaatact tactgttatg atacattatt atatctttat gctgcagcag atcgtttgtc 480
 cttgtaatca tcaaga 496

<210> 11572
 <211> 525
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220132aa11a1
 <400> 11572

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 agtacaagta tgccaactac tctaaccgaa actatgcaaa gaccgggaaa gctattttga 120
 agttccagtt gatcaatcaa cgtgcagatt tctcatttgc actattttca ggtggattat 180
 ccgatcctag acttgtggca atttogaatt ccatatcatt tgcaaatcct aaagcacctg 240
 tgtatccgcg ccttgctcta ggaaaatctt gggatgaaat gacagttaca tggacaagtg 300
 gatatgacat aaatgaagct gtgccttttg ttgagtgggg accaaaggga ggaaagaaaa 360
 cacgatctca tgctggaaca ttgacattta accgaaacag catgtgtggt gaacctgcac 420
 gaactgttgg ttggcgtgac cctgggttta tacacacaag tttcttaaaa gaactgtggc 480
 caaatcttag gtacacttac angttgtggc atatgctgct taacg 525

<210> 11573
 <211> 542
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132aa11d1
 <400> 11573

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catgttgcta gagtagtttt ctcacaacca tctgtcacac aggccaaaac atctctgtag 120
tctcttgaaa tgggtaaagg agtcgtagac ctctccatca ctacttttct tgtactcaaa 180
caagagatat gaatgattga aagcagtcaa tttgccaaaac ccatagtcaa cgtccctata 240
aagactccaa ataggggggtg atgggtgtgaa gtctgacagg tgacttcccc cttcaccaac 300
aaccacatga attgttccat tcacagtgcc agagtagtga tgcttttctt cattcacaca 360
ttgattctga taaatggggc atactctttc atagttagtg acatgaccat aaaatccaat 420
gtctactttg tacttttggc aaagcttctg caaactttcc cttcccatgg gctcttcaaa 480
tgaaccctcc atgccatacc aaagattaga ggagtagcca aggggacgat gagctgaaaa 540
ga 542

<210> 11574
<211> 567
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220132aa12a1
<400> 11574

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aggttgacca gtcacagca ggtgcataaa agacctttaa ttgtagcttt taaaggaaat 180
aaattgaata aagccgcttt ggtttcacct caggagcaaa ttctctacc catagaaaca 240
gcaaagaaag accaaaaaag ggtaggaaag actagtgagt ctctgaagag agtgagagct 300
gtctctattg ttgaaacctc tccatgcacc ttggatatgg actacaatga agctgcagcc 360
aaacttgaaa atatatataa actcagccct gtatctgata cctgtaatat ggaagatatt 420
gatagtaaag tgcagagagc tttgtggagg aggaggaagg tctggtaatg aacatgatga 480
tgaacattgt gatattgtgg ttagaaacca gaatatgaag gccaaacgat tgagtcttga 540
ttagaggatt acattgaaaa ataatgc 567

<210> 11575
<211> 518
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220132ab01a1

<400> 11575

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 cgttcaacgc cgacgggtgg ggtccgccgg acaacgcgac ctcaggcagc aacaacaaca 180
 acctccctct gaacgtcccc ttgcgccctt tctcccgtc cgacaaattg ggccgcatcg 240
 ccgactggac ccgcaacttc aacaatccga cccgctccaa gaaccccgcc gatgccgtct 300
 tcgacttcgc caacgacgac tccttccccg cctccgccga cgacgacgcc tccttccgcc 360
 tcgtcgacgg aaagcccccg ccgcgcccc aattcgcccc caagtggcgc ttccagcagc 420
 agcgccagct ccctcagcgg cgcgacgagg aaagtcgagg ccaagaagcg cgagcaggag 480
 aaggaacgag cccgcagaga ccgtctctac cacatgaa 518

<210> 11576

<211> 389

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132ab01d1 .

<400> 11576

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 ccataaaata ataaccctaa gcccaaatac aattttgaaa gatgttgctt tggtgcttcc 120
 acttaaatat gctaaggtct gtaaatacata aacagctgta gcatagaaag aaaataaaaa 180
 actcaggttt tgctttaaac ttttgggtcca aaggaacatc acattgcaaa attttggccg 240
 acaaagcagt gttaaagaaa atcattctga gtgcgatctg atcacatatg atcggccaca 300
 tctactccaa taaacatgtg accttttaag cttgaccatc tatctgcttg tcttccacat 360
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<210> 11577

<211> 396

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132ab02a1

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<400> 11577

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cccttcattg aggagaatat cacaaaacca gattggaggc aaagggaggc agcctcttat 180
gcttttggat ctatcttga ggggccttca cctgacaaat tagctcctct tgttaaccat 240
gccttaccat ttatgcttag tgcttttagt aaggacccaa acaaccatgt gaaagacacc 300
actgcttga ctttgggacg aatgttcgaa tttcttcaca gttcaattgt tggtagacca 360
atcattaatg aggggaaatt gccaacagat tattac 396

<210> 11578

<211> 434

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132ab02d1

<400> 11578

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acaaaaagaa agattcacgt gaccaaataa aatatacagg aaacatgaca aaattcacia 120
acttttactt agacaagaga aagataacac caatagtaag cttaaactcag acgactcctt 180
ccaacaattg aaacaacaat ccaccacact aaagttcttt tggatatcat acagtatatg 240
gcatgtttct tctgtatgcc caggaatagc caatatatga ttacatatg catttcagaa 300
caaaggaatt taacggctga tgattttcat gaatgcatga tgatttttga cctacgaaac 360
caactgacat gtaaaaaaat gcataatgct aggatgtaat ctttcccatc ctgggtcaac 420
aatcacaatt gatc 434

<210> 11579

<211> 406

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132ab03a1

<400> 11579

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atcatcattc ccttcccat gtgatgtgcc actcctctct ctagggtttt caatcccca 120
 atttcaatcg cagcccaacc caaagctttt ccacctttcc cattcattcg cacaattccc 180
 ttcgcccttt tccttttcgg ccaaaagggt ctccggcgct tcgcctctct ttgaccgttc 240
 cgggctcgcc tccccaggcc tcttgagaga gagagaaaac tgcttttcta gagagagaaa 300
 gtcaccatgg gaatgtagag tggagcttct tcccttggtg ctgctgctgt tggtgctggc 360
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<210> 11580
 <211> 334
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ab03d1
 <400> 11580

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 tttgaaattt caagatgggt tcaactgttta accacgggct gaagaaacca ttaaagggtg 120
 ggcaatttca atgattcata cattatgaca actagaatga tatcatcttc caactcataa 180
 tatttaatat ataattaa aaccattttt tttcttacia agtattgggt ccacctcag 240
 acatagctac aattagaact tccacatttt atcgctcttt caaagcttga aagaggatgg 300
 aaaacctctt cccaaattaa acctggggtg ggga 334

<210> 11581
 <211> 575
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220132ab04a1
 <400> 11581

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 atttgcaaca aaggccaaag ttgcgccgagc tattgaggct gaaggaattc cttcactta 180
 tgtgtcaagc aacttctttg ctgggttactt cctgcccac ttgtcacagc ctggagccac 240
 agctgcccc agagacagag ttattatcct aggagatgga aaccccaaag ctgtttttaa 300

caaggaagag gatattggaa cttatacaat caattctgtg gatgatccaa gaaccttgaa 360
 caaaattctc tacattagac caccagctta atacctgtc gtttaatgga gcttggtact 420
 ctctgggagg gaaagattgg taaaactctt gaaagaatct atgttccaga agaacaactc 480
 ctgaagcana ttgaagagtc cgcaccaccc gtgaatgtga tctgtcaat taaccactcc 540
 tcttatgtaa aaggggatca tactaacttt gaaat 575

<210> 11582
 <211> 561
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132ab04d1

<400> 11582

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 ttttaccat taaaccaact taatcagcta ggctttgcac cttagacaaa ctgattaagg 180
 tactcatcca cagtgatgta tttcacatca ggatatagag ctgaagcttc cactccaaaa 240
 gaagactcaa tttcaaagtt agtatgatcc ccttttacat aagaagagtg gtttaattgac 300
 aggatcacat tcacgggtgg tgcggactct tcaatttgc tcaaggagtg ttcttctgga 360
 acatagattc tttcaagagt tttaccaatc tttccctccc agagagtaac aagctcatta 420
 aacgacaagg tattagctgg tgggtctaag tagagaattt tggtcaagg tcttggatca 480
 tccacagaat tgatcgataa gttccaatat cctcttcctt gtaaaaacag ctttgggggt 540
 tccatctcct aggataataa c 561

<210> 11583
 <211> 558
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220132ab05a1

<400> 11583

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 caccgtggac ccagcattgg tgactgctga agaaggcgct aagggtgtaa aggtgatgca 240
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 cactaagcgt gtaattatct acattggagc tggaaattat aatgagaaaa tcaaaattga 360
 gaagacaaag ccttttgtca ccttgatgg ngtagcagag aaaatgccaa acttgacttt 420
 tgggggcact gcacaacaat atggcactgg tgatagtgtc acattgattg ttgaatcaga 480
 ttattttgtg gcagctaaca tcatgatctc gaacactgca ccgagacctg atccaaatac 540
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<210> 11584
 <211> 613
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ab05d1
 <400> 11584

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 aacaataata aatttccaaa atatttttaa caaagggtgt atcatagtgc acatgaacac 180
 caaaactcac ttaatcaaaa ttacaagga tctcacttaa ttttaaagt ccaagactaa 240
 agcaaataaa ttacaagaca ccaaaactca acaactcgag caatctagta ttgaattgga 300
 ataccatttt ctaattcacc atccactaaa acatgggggtg cattattcct caagccagac 360
 aaaaatgtgg taattaatta aaccttgga gttggaggag gaagtagcca tttggagcct 420
 tcaatcatcg caagtgttat gtaagggtta acctccgttt cacttagttg cttagttata 480
 gtagcacgcc ctttgggggtc tgcaccaggt cccgagttct gatactctcc aaaacgaaca 540
 gttttgtcat gttcagggtg actgggtgta ctccacccta atttatttac aatgtcactc 600
 atgctgctgt atg 613

<210> 11585
 <211> 479
 <212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220132ab06a1

<400> 11585

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 ttcgatgctg agcaggcttg taagtttctg aagattggcc ttctttgcac tcaagaatcc 180
 ccaaagcacc ggccatccat gtcttctgtg gtcaagatgc tcaactggaaa aatggatgtt 240
 gatgacagta agataacaaa acctgcctta atttctgatt tactggacct cacagttaga 300
 gggaacgaag aaagtagtat tgatatgaag aattcatcta tgtatacaac ctttntcttc 360
 agacatccat gatactacct cgtcatttgc cacaactaca tccttacagc ataatatgat 420
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<210> 11586
 <211> 533
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ab06d1
 <400> 11586

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 aagtatgaaa aaggttggat ttttacatta gatacatgcc taacaaaata aaaacatttt 180
 ttgattaag gacaaatctc tatcgatcga tgtttacacg ctttcatcat attatgctgt 240
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 atacatagat gaattcttca tatcaatact actttcttcg ttccctctaa ctttgaggtc 360
 cagtaaatca gaaattaagg caggttttgt tatcttactg gcatcaacat ccatttttcc 420
 agtgagcatc ttgaccacag aagacatgga tggcctgtgc tttgtggatt cttgagtgc 480
 aagaaggcca atccttagaa acttacaagc ctgcttagca tcgaattccc cca 533

<210> 11587
 <211> 426

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132ab07a1

<400> 11587

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 ctccctgggg atggcatcaa atggaacgtc tccaagttcc ttgatgataa agaggggaat 180
 gatgctgata gctatgcacc cacaacttct tctctgagca ttgataaaga cttgctgaca 240
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 aatgctctgc tgatgctgct gcaatttcct gtgtgcctta tatgtaccga aacagggtgct 360
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 taaagt 426

<210> 11588
 <211> 438
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132ab07d1

<400> 11588

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 cagcatctgc agtacatttc ttattcatag tttatttatt ggcaactcca tacattcata 180
 acttcatgca tccaacaact tcagcaagtc cttctcaatg ctgagaggag aagttgtggg 240
 tgcatagcga tcaacaacat tcccctcttt atcaacaagg aacttggcga agttccattt 300
 gatgccatcc ccaaggagtc cacctttgct tgattttaga tattttgtaca gtggagcagc 360
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 aacaaactct tgtatctg 438

<210> 11589
 <211> 374
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132ab08a1

<400> 11589

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aaaaacctgc cgctaagcaa tccggtgggt aagaagaagg aggtgaagaa ggagactggc 180
ttatgtctca cgcacggaa ggcggagaac ttctgagagt ggtattccga ggttgttgtt 240
aatgccgaaa tgattgaata ctatgatatt tccggatgct atattctgag gccttgggtca 300
atggcaatat gggagatcat gcaagagttt ttcgatccag agagattata taacctgttg 360
gagatcatct aaaa 374

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<210> 11590

<211> 340

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132ab08d1

<400> 11590

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cactctccga agttctccgc cttccgatgc gtgagacctc agccagtctc cttcttcacc 180
tccttcttct tcccaccgga ttgcttagcg gcaggttttt tggattcagt tttttttgct 240
tcagttcccg ccatcgtgaa ggacgagcac ctgatcccg tgcagaagaag tcgaaggcga 300
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<210> 11591

<211> 449

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132ab09a1

<400> 11591

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cgccccgtttc cgcggcgcga agatctgagc atgcggtgcg tgcagtgggc gttcctcggc 180
 tgccccggcg tcggaaaagg aacgtacgct agtcgcctgt ccaacctcct cggcgtccct 240
 cacatcgcca cgggcgatct cgttcgcgac gaactegcct cctctgaccc cttttcttcc 300
 caggttctct tcttcttctt cttcactttg aattaactag attaattttt gtaacgcaaa 360
 tttggtcaag gttattgaaa tttctgcgta cggcgcagcg cttagacaga aaaatgggat 420
 gataattatt attttaaaaa atattaaaa 449

<210> 11592
 <211> 515
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220132ab09d1
 <400> 11592

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 tcacatttaa tttacaacaa tagtgatgat gcaccaatcc tatcgacgtt gattcctgac 180
 caactatctt tctagcaata ctgggatata ttattcactc ttcacaataa cattatatgc 240
 taggaaaccc ttcccatata accaaattat acgaaaacaa aacgcaacac taccagtctt 300
 atcagattac aacacttaca aatatcatca ttggtccaaa ataatactag cagagaagtt 360
 cccttgcttt ggttctctgt cctgcaaaat tgccaagcat gcaatataag cacgcaaaga 420
 atgaaatact tactgttatg atacattatt atatctttat gctgcagcag atcgtttgtc 480
 ctcgtaatca tcaagattaa gagcatgtag caact 515

<210> 11593
 <211> 547
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220132ab10a1
 <400> 11593

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002220" E F F E 550

cttcctctcc atttgcaccc ttgctttcat caatgaaggg tcttcctccc tctcaagtgc 180
 attcatgaac gagccatggg catggggcat aagcattccc attagtttgt acgtgaaatt 240
 tgcacttgag atccacactc accttggaat ctgtgttggg gttggagtac cctctttggg 300
 ctattggggg gccacacgtg gtgccattga ttggtactgg gaagcagcat tgaagttcaa 360
 ccatgagatc ttcaaaacat gccttttcaa tggtgttatt ggggttgctac acttggtggg 420
 gtcaaagctt gctcattaca tcattgagtg ggtgaaggat cacaagccga tgaacacaag 480
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 ctttact 547

<210> 11594
 <211> 598
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220132ab10d1
 <400> 11594

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 acagtcctca tacatgaaaa cattgacagg attaacaatc catgcacata cttaaccttt 180
 attccctaac tcatgtctac ctctagacaa catcaaggaa tgttttcaac atttagtact 240
 catatagcac taacatgaca agacacatat atatatatat acaaaagata gatcatcact 300
 cattagtcac tacaattgac tgcttaagac tatcatccaa ttccaccttc acctcattga 360
 gtcacccatt gacaccacta ctcatccctc aacattctga tgagcagatt aatgcttgat 420
 catccttggg ctccacactt tgaattggag aacaattatc ctcttccgcc accttcatgc 480
 atggcttctc ttcaagtggg tctgttggg ttctccag ttccctgacc aaagactnga 540
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<210> 11595
 <211> 427
 <212> DNA
 <213> Glycine max

002230 032200

<223> Clone ID: jC-gmf102220132ab11a1

<400> 11595

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 aggttgacca gtcacagca ggtgcataaa agacctctaa ttgtagcttt taaaggaaat 180
 aaattgaata aagccgcttt ggttttacct caggagcaaa ttctctacc catagaaaca 240
 gcagagaaaag accaaaaaag ggtaggaaaag actagttagt ctctgaagag agtgagagct 300
 gtctctattg ttgaaacctc tccatgcacc ttggatatgg actacaatga agctgcagcc 360
 aaacttgaaa atatataata actcagtcct gtatctgata cctgtaatat ggaaagatat 420
 tgatagt 427

<210> 11596

<211> 575

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132ab11d1

<400> 11596

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 atggctatag gtaacgtacg tgggactatc atgacagcaa tggaactata tatatttgtt 180
 aatttatata acataacgac gaagataatc caaccgtgct ggatgcttaa gttcatgag 240
 agccttgact tcatgcttcc gaaccatttc cctagaaata ttcaagttcc cagcgatttc 300
 tccaatgtc ctgtcaccct tgccatcaag tccatatctc tgtctgatca ctaggtcttc 360
 ctttggcttc aaggaatcaa gcacatcatc aagagcaagt cttagaacag caagttgcct 420
 cctattatca ccattaacac catcaacatc agtaatccca ttaatatata ccttttgtgt 480
 ggatatatgt cttgaatgaa gggataaaat gggttttgat gccttcatta cttcataata 540
 tctatcaggt gagatcccaa tctttctact aactc 575

<210> 11597

<211> 457

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132ab12a1

<400> 11597

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 cagggtggcac atattacatt atgccatcaa cttgtggcgc tgccggtggt ggattgaaac 180
 tacgccggac aggaaactca aactgccag ttactgcttt gcaagattac tcaaaaatct 240
 tccgtggcac accagtcaaa ttcagcatac ctgggataag ccctggaatc atctttacag 300
 gtactccact tgaaatcgag ttcgcagaga aaccttattg tgctgaatcc tccaaatggg 360
 tggcgcttgt ggacaatgaa atccaaaggc atgtgtgggt ataggtgggc ctgaaagtca 420
 tcctggtcac atacatttag tggcacattt agcattc 457

<210> 11598

<211> 494

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132ac01a1

<400> 11598

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 cacctctctt ggtgtcatta ccaggggaac tataattgag gtgaatgtca gtgaacttgg 180
 tcttgtcaca cctgctggga aagttgtgtg gggtaaatac gctcaggtca caaataaccc 240
 agaaaatgat ggttgataaa atgctgctct gcttgtttaa ggtcatagca accatcaggg 300
 ttccagcttg atttcaaagg cagaggtcaa gtccctctcc tatgattttt gtggtcttga 360
 accccaatct tcaagggaga atcttacaaa ctttgttggt accagagaga agattgtctg 420
 agaaaatagt gaagcatttt tgctttcttg tttggatagt caatgcaatt atctgatcta 480
 gcacttaaca tttta 494

<210> 11599

<211> 379

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220132ac01d1

<400> 11599

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agacttgcac gcctcacctc gggctgcaca ataattatct taaatgttaa gcgctagatc 180
agataattgc atggactatc caaacaagag aacacatatg cttcactatt ttgtcagaca 240
atcttatttc tggtagcgac aatgtacgag agactttcca atggaaaact gaggtagagg 300
accacaaaac tcattggaga gggactcgac caccgccttt gaaataagct ggaaccttga 360
tggtagtatg accttaaac 379

<210> 11600

<211> 484

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220132ac02a1

<400> 11600

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atggctctct cttccccatc cttggctggc aaggccgtga agctgggccc atcagcccc 120
gaagtcggga gggtagcat gaggaagacc gtcaccaagc aggcctcctc cggaagccca 180
tggtagggc cagaccgct caagtacttg ggccattct ctggcgagcc cccgtcctac 240
ctcactggcg agttcccagg tgactacggc tgggacactg ctgggctttc ggccgaccca 300
gaaaccttcg ccagaaaccg tgagctcgaa gtgatccact ccagggtggc catgctcggg 360
gccttgggct gcgtcttccc cgaactgttg tcccgcaacg gggtaagtt tggagaagct 420
gtggggntca agggcggtcc cagatcttca gcgaggtggg gctgactacc tgggcaaccc 480
aagc 484

<210> 11601

<211> 342

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132ac02d1

<400> 11601

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ctgaaacacc ttggtgtaaa ttatatTTTT cgcaaaccga acttcaaata ctttaaagag    180
ccaccaagac tcctttcttt tgatgcccaa ttcccgggga ccaaacttgt ggcttatgac    240
cacacattgt ggctgaatgg gcccgcaagg ggaagggcat ggtttctcca atgggccctt    300
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<210> 11602

<211> 354

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132ac03a1

<400> 11602

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ttggaggatt gttccttctc tcgagacgat ccggagggat gggaggctct ggtgggcccc    60
gatttctctt tgcttttggg caatccaaag ccaagtttca aatggaaccg aacaccggag    120
tgacatttga tgatgttgct ggggtggatg aagccaagca ggactttatg gaggttgtgg    180
agtttctaaa gaagcctgag aggttcactg ctgttggggc tcgcataccg aaaggagtgc    240
ttcttgttgg tcctccagga actgggaaga cactgttagc caaggctatt gctgggtgaag    300
ctggtgttcc atttttctca atatcaagtt ctgaagtttg tgagatgttt gttg          354

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<210> 11603

<211> 316

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132ac03d1

<400> 11603

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aaaagggggg ggaaaacct taatccttcc caaaaagggg cccaggctga aaggggccct    120
ctgtatttta aaaaaacccc ttttaaaggg ggcccaaaag gggataaaa aaaggggggg    180

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gcccggggggg caaagggggg ccccgggttt aaacgggaat ttcaccaaac ccaaaaaaaaa 240
 atgccgggaa ttcaatccgg ggcagggggc cctttccaaa aggggcctgg aaaatttggg 300
 aaaccccccc cgggggg 316

<210> 11604
 <211> 561
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220132ac04a1
 <400> 11604

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 tgagaggtct ggtttggggc aaaagactta cttgccccca gcaatattga gtgtcccttc 180
 aaacccttgt atggctgaag caaggaaaga agctgagcaa gtgatgtttg gagccattga 240
 ccagcttctg gagaaaactg ggggtcaaggc taaggatatt gggattttgg tagtgaattg 300
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 agggaatatc caaagttata atcttgggtg catgggttgc agtgctggac taatctctat 420
 agaccttgcc aaacagctcc tccaggttca tccaaactct tatgccttag tggtgagcat 480
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 tctattcaga atgggtggag c 561

<210> 11605
 <211> 329
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220132ac04d1
 <400> 11605

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 acaccttcct aagattaacc atgaaaacct taatttaaatt tcctaatagca agaggtttta 180
 acttaggaac caatgggtgc cactttgggc acatgaacag gaaactcgtg aatctcatcc 240

atccaaggat ttttctcctt tgctggatta atggctctca atgcacgcca cacagcactg 300
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<210> 11606
<211> 509
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220132ac05a1

<400> 11606

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cctcctgcag cagcaccagcag taccagcccc tctgctctc atccctctcc gtctacgcct 180
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gcaccaagc caccaaaaacc ttcgtggcta actgcaacaa attcagaggc ctgaaaccca 300
gagagcacgc tgcactcaag gactgcgccg aggaaatcag cgacagcggt gaccgcctca 360
gccggtegt gaaggagctc aagctatgta aggttacagg gtgaggactt cacgtggcac 420
attagcaacg tggagacatg ggtcagttct gctttgaccg atgagagcac tngcggcgat 480
ggattctncc ggaggcgctn gatgggaag 509

<210> 11607
<211> 590
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220132ac05d1

<400> 11607

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aaccaagatc attggtcccc aactagtgtt gtgcagcata gtggttaata agcgagagag 180
cattgctagt aacctgagca acattgagca tcctagccct aatagagtcc ttgatcttcc 240
cattcagcgc cttcccgag aatccatcgc cgcaagtgtc ctcacgggc aaagcagaac 300

tgacccatgt ctccacgttg ctaatgtgcc acgtgaagtc ctcaccctta accttacata 360
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 cgaaggtttt ggtggccttg gtgcggttca gggagaggga gaggctgtgc tgaaccagat 540
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<210> 11608
 <211> 493
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132ac06a1

<400> 11608

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 aagatatggg attctgtggc gatttgata tggtatgtgg ttctcttggg gatggggata 360
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<210> 11609
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132ac06d1

<400> 11609

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ggccaaaaac taaaccaaac ccttgaccac aacagaaacc cccctgttg cggtttttct 240
 gcccacaacc cccctgtacc caccocgggc aaaaaagg gccccttcc atccggcaac 300
 gccaaaatca aacaaccaa gggccccccc ttcacctacg gaaaaaagaa agaaacaacc 360
 tgcaccttca agggccccct tggaacaatg cccacttgac gccccaaaaa gcaccagaa 420
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 tcaaaaaaaaa ccccca 496

<210> 11610
 <211> 511
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ac07a1
 <400> 11610

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 aacaaaaaca tgatccacc cattatatgt tatcgattc caaccctcaa atcctacata 180
 gagatcaact ttttctgacc ctttatcaac tgggtcaatc acaacaccga cagggtgtca 240
 caccattaga agtgaaacat cttcagctct aatggcgacg tgccctgcta attccttcaa 300
 cttcaacacc accctctgag cgtgcacacc cggtcacgtg ctccagcacg tgaggaacac 360
 gtgcgtgctc tacaagggga attgaacaat gctgaccgac accggcgtag actactacgc 420
 gctgagcttt cccgagacgc tctacacgtt cgacagaatc aagaagatca cgcctctgca 480
 ggcggtgttc ctggaagcca cactcgatat g 511

<210> 11611
 <211> 588
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ac07d1
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aatattgaca ccggaatta acatgaaaga accaaaatcc cttttatcaa caaatggtga 180
 tcacaatgct aagaagctta aaatgttgga aggaatttct ggccaggaga agtagaggtc 240
 catgcaccac attcttgcac ttgcgttttg caaagtttta caatctttag ttcccttttg 300
 tcagttttca ttttcaatca agaatcaact tccattgtag aacatccatg cttgctgtaa 360
 aaatcatgga acaaatctga ccagtgcaca ccgataaaga ctcttgtttg aaaagatacc 420
 taagtttctt tgcttactga agaagtgtgc ccagttgagg aagacttgag cagagattgt 480
 gcagctaata atttgttcct tagcatgaca ttatactcgt acaaattgtt tagattcttc 540
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<210> 11612
 <211> 106
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220132ac08a1
 <400> 11612

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 cttgtgttcg attccaaagc ctcccatgga cgagcaagat ggggct 106

<210> 11613
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220132ac08d1
 <400> 11613

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 gtattggaat gataaatgtc acacatgggc ttcacccggc taatatactc tcaaaattat 120
 tgcatttctt acaggaacta ttcttcatta gcgcttattt gaggcttcca cagttcatta 180
 gtattgccgt tgacatataa ttgacctcaa aaactcactg agcagttgct atagaaaacc 240
 caaggcctga gggacagaat caactgacac cataaaccga ctttcttgca ttgctggcga 300
 aactaaccaa ctctctggc ttaaaccaca agtcaatctc atcctcggca gtctcaggac 360
 cgttactccc atgaatgata tgactttcga caacaacggc aagaacaccc ctaagggttc 420

taggctctga attctgagga tctgaggctc caattagctt ttggggccatt ggaaataact 480
ccttgacct 489

<210> 11614
<211> 456
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220132ac09a1

<400> 11614

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ccgcagcccc caagaaagac gacggacccc atccctgtcg tttacaaact cgacttgcatt 180
tgcgagggat gcgtcaagaa gatcaaacgc acatgtcgcc acttccaagg tgtggaaacc 240
gttaaggcag atctatcgtc gaacaaagtg actgttaccg gcaaattgga tgccgagaag 300
ctgcgagata agatcgccga gagaaccaag aagaagggtg acatcatctc agtccgccc 360
aaaaaagaag ccgcccgcac ggaaaatcca ccggagaaga aagggtgaag agaagaaacc 420
ttgagagaaa aaaccagaag aaaaacctaa gagaga 456

<210> 11615
<211> 529
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220132ac09d1

<400> 11615

gaaacaatag taaccattta ttctgatatt aaaaaataa aaaaaacaaa taacaactca 60
tgtgatgtga gttctggaca ggattctcca gccagccggc catcctctat ctctattctc 120
taaaacatta ttataatatt aaaattctac catatcataa aatttctcta tattaatttt 180
caataacacg gaatattgat atattatcca cccctcattt ttacacgca ggtcgatttt 240
tttttccagt ttttttattt acaaattaca acgtgcgtgc atattccgta tcccgtattc 300
cgtccgtgtg taagagtaca ccgaaaacga aaattaatca ctgattatca catgatggaa 360
caagcattgg ggttctcatc gctgaacatc tgtggcggag gtgcgtgcgg gtgcatgtag 420

tacggtagag gtggctgcag aggataaccc tggttcacgt accctggctc cacgtaatga 480
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<210> 11616
 <211> 410
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220132ac10a1

<400> 11616

ggcgcacgca acgtgccttt tcccatagca aggacacccat cagccgcttt tctagtgcc 60
 ggggttttgg atccattgaa actgataccg tatccttctg ccattagttt agccgagaat 120
 gaatcccaag acagccgtag cttgagctct accgcgcgtc acggtcgctt tcttcacgg 180
 tgagagccgg taccgatcgc cgggctacgc cgagctctga gacgggggca gaaactgtac 240
 aacctggcac gccgccggcc agaactcgac ggagttcgag tgcaacagaa tgctgaagcg 300
 cgccggtcga caggagaccc ttgccgacaa gatctaccgg ttctactgga cactgctcgt 360
 agaagggatc ccgctacttc tcagcagatt cgaactctac gttatgccgt 410

<210> 11617
 <211> 553
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220132ac10d1

<400> 11617

gtaaagatta actattatca cgaacgaaac cattaataga aacaaaaatg aaatggtgtt 60
 agtatcacca ttttgttcgt ctctgaagac aacatatata gaacatatat agatgccctt 120
 aatgaatcga atgaatcttt caaaatcgca aattagatgt ttgtgaatta attacatatg 180
 aaaaataatg aagctataat ctcccattat ttctgaatca cagaccata tccaatctca 240
 gttcagcctg aaagttaatc tctgatcatc atgaatgaca gtatttcacc acaaaatccc 300
 ggtgatgaaa ctcatgtgcc cctagatttc agacaaatct aagcgatagt ccagtaatt 360
 ttacgcagat gacacagctt caatggcgct gcctaggggc catgctgcct caaccagggc 420
 atcgtcgtat ttaactttct tcaccaatgt aatctcttgc catggatata taccaaacc 480

atcaacgagt agtgtatact ggtatataag atccatgcaa agatagggaa ggttccccctt 540

atcaacacga gga 553

<210> 11618

<211> 489

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220132ac11a1

<400> 11618

atgctttgaa gtctcccaca ggagatgaag catacaatga aaatggttta gtgcctcgaa 60

caatacgttt gctcaaggat aagtaccag accttggtat ctatacagat gttgcattag 120

atccttattc atcagatggg catgatggca tagttagaga agatggagtt attatgaatg 180

atgagacagt tcatcagcta tgtaaacaag ctgtagccca ggcccaagct ggagcagatg 240

ttgtcagtcc tagtgatatg atggatggtc gggtaggagc actgcggtgca gctctggatg 300

ctgaaggctt tcagcatggt tctataatgt cctatacagc aaagtatgca agttcttttt 360

atgggtccatt tagagaggca ctagactcaa acccccgggt tggagacaag aaaacttattc 420

agatgaaccc agctaattac agagaggctc tgactgagat gcgggaggat gaatctgagg 480

agctgacat 489

<210> 11619

<211> 570

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220132ac11d1

<400> 11619

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caatgggttg acaatccaca cgtaaagtta caattaacac caaaaacaac ggccaagtct 120

ttttctatta tgtccttaaa tatattaaat caaacgaggc cataatattt tattatgaat 180

gtctctctat acacaaacct ccatgtccct cttaaacaat ttacaataac caaaatccag 240

cagatactgg tattataaac tcttcaacct tctacatgaa caacgcctta cataatcaga 300

gaacttcacc tcttctctcc acacaaacat ctggcagctt gcagagcaga atatgtgagg 360

atgatatcag caccggccct tcggaggcac atcagtgact ccatcataac cttttcttcg 420
 tctatcattt tgagagcacc ggcagccttt atcattgcat attcaccaga aacctggtat 480
 gctgcaattg gcaaaggaga attatccctg agcagcctta tgatatccaa gtaaggaaga 540
 ccaggcttca ccaagagaat gtcagctcct 570

<210> 11620
 <211> 486
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132ac12a1

<400> 11620

atgctttgaa gtctcccaca ggagatgaag catacaatga aaatgggttta gtgcctcgaa 60
 caatacgttt gctcaaggat aagtaccag accttggtat ctatacagat gttgcattag 120
 atccttattc atcagatggg catgatggca tagttagaga agatggagtt attatgaatg 180
 atgagacagt tcatacagta tgtaaacaag ctgtagccca ggcccaagct ggagcagatg 240
 ttgtcagtcc tagtgatatg atggatgggc gggtaggagc actgcgtgca gctctggatg 300
 ctgaaggctt tcagcatgtt tctataatgt cctatacagc atagtatgca agttcttttt 360
 atgggtccatt tagagaggca ctagactcaa acccccggtt tggagacaag aaaacttattc 420
 agatgaaccc agctaattac agagaggctc tgactgagat gcgggaggat gaatcttgag 480
 gagctg 486

<210> 11621
 <211> 520
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132ad01a1

<400> 11621

gttcaattat agcttctcat ggaagccctc cgcttcacgc aaaaatgtag tcaagaagaa 60
 cagcttcata tcaagacaga catcgaatga aggacaaagt ttccttccaa aagaagagga 120
 aatgaaatgg gtgttcaga aatttgacac caacaaagat ggcaagggtt ctcttgaaga 180
 gtacaaggct gctgcaaggg ccttgatag ggccattggg gaagctgaag cagtgaagc 240

gttttagggtc atggacactg atgaagacgg cttcattgac ttcaaagagt tcatgaagat 300
 gttcaatgaa gagggtagga taaaagaaac tgagatcaag aatgcttttc aagtgtttga 360
 ttccaacggc gatgggaaga ttagtgctga ggagttgtcc caagttctca aaaggtagg 420
 agagagttgc agccttagtg cctgtaaaaa aatggtcaaa ggagtggatg ggaatggaga 480
 tggttttatt gacttgaatg agtttacgag gatgatgatg 520

<210> 11622
 <211> 441
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220132ad01d1

<400> 11622

ggagctgacg tgaagcacta gcacgggtat tgcttgctg cgcgagctgc taactaggct 60
 ggggacgccc tttctctctt ttctttctgc tcccttactc atcttggaat actacacttt 120
 ccaccagag cttttatata aacatatact tctcgtagct ctgctcaacc agtcatccac 180
 ttcagcgacg cagcactaag cacactacat atcgacaatt gcatgcgaca cttaaactcg 240
 cgatgcgtac atttctctag ctgtgtcgtt ttgactgac aatgaggggt gttcctagac 300
 acgagcgccg ctgggcgtcc gccatgcct tgggaaaagc gaccgtcagc gccggaactt 360
 tgccgggaac tgagtccaac tccgtcgcgg ccgagattgt ggccgtgact ctacagcgtc 420
 aagaggacga caccatttct a 441

<210> 11623
 <211> 416
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220132ad02a1

<400> 11623

gtcttctgca gaaatttgcg ccatcgtcga gagaagcgtg agagacttct cgtttatgat 60
 gagagctaag atagtttagt tgtcaagtca taaatcagta tcatcacttt aaatttcatt 120
 agaagctgtc aaaatgtcac ggaaggggtt gatggagcaa gacctgagta agttggatgt 180
 aacaaagttg catccacttt ctccagaagt catatctcgg caggctacta ttaatatcgg 240

cactataggt cacgtggccc atggcaagtc aacagttgtg aaagcaatat caggtgtcca 300
 gactgtgcgt ttcaaaaatg agttggagcg taacattaca atcaagcttg gctatgcaaa 360
 tgcaaaaata tacaagtgtg aagatgaacg atgtccaagg cctatgtgct acaagg 416

<210> 11624
 <211> 304
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132ad02d1

<400> 11624

aggcaaaggg cgtattgata aaaaaccata tattgaaacc agtgcttggt gaaattctca 60
 ctcccagcct gaattcaatc ccaggcttgg atacaacttt tattagaggt acacggggga 120
 aacataccca actctcgggtg ggaaacaaag tctgatacat gaatgaaaaa acgtttcttt 180
 ctccacctta caaaaagggc tcccaacaat tgccagcctt cccacatata caaaactatg 240
 tcagtatctt attcctgctg gggcttcttg gaatcagtgg tcaacacata tagggggggc 300
 ggag 304

<210> 11625
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220132ad03a1

<400> 11625

catcgtcttc gatgatgaac tgttttcagt tccagaaacc gtatcatcac cacgcgcagt 60
 acgtgaagat ggaggagcac aatttcctca gcgcggatga ggcctgcaat ttcttctcgg 120
 atgaacaagc accgaccctt caatggtact gtccagaaca gtggagctga gaaaagaaac 180
 atggaaatta aaccgctttt agaaattttt gtttgaaggt agaaaatgaa atactgtgca 240
 aaagaaaaag agagaacaga gatcaatggc tgcatggcgt ggggtcggag atggaaggtt 300
 gattattact actctcgacc gtgcggcagg gggtaatatt aataattatt caatccgaaa 360
 gcaaaccatg ctgtaaaaac aaatttccat tcaagtatgg aataacggng tagtacttnt 420

tttataaatg aacagaacca cagcaacggt gtact

455

<210> 11626
<211> 459
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220132ad03d1

<400> 11626

agtacaccgt tgttgttggt ttttttattt attaaaaaag tactacaccg ttattccata 60
cttgaatgga aatttggttt tacagcatgg tttgctttac gattgaataa ttattaatat 120
taccctctgc cgcaccggcc agtagtagta ttaatcaacc tttcatctac gacccacgc 180
catgcagcca ttgatctctg ttctctcttt ttcttttgca cagtatttca ttttctacct 240
tcaaacaaaa atttctaaaa gcggtttaat ttccatgttt cttttctcag ctccactgtt 300
ctggacagta ccattgaagg gtcgggtgctt gttcatccga gaagaaattg caggcctcat 360
ccgcgctgag gaaattgtgc tcttccatct tcacgtactg cgcgtggtga tgatacgggt 420
tctggaactg aaaacagttc atcatcgaag acgatgctt 459

<210> 11627
<211> 416
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220132ad04a1

<400> 11627

gcaaaacatg tttatcttct cttttgttca cctgagtga ggaagacata ggcatacctt 60
gtcgctattg ctgtacatgt cgccattgca atagtaattg ttattgttat tgggggtgat 120
cgatgagaaa ttatatggag cccttactcc tacttcttc agttcatca tccaccctt 180
tacctttctt aatctcaaac acactttctt gccatccaaa acccaaactt tctaccatac 240
tcagttgcac cctacaaaag tcccaagctt ggtgcacaaa tttgagttgg gtcccatcac 300
tatcacatca gggaagacct aaattggatg cagcgaggcc cataatcaca gcagctgtga 360
taagaaggaa tgagtttccc ttccacaacg tcatccatag ggacaagaag ctcaaa 416

<210> 11628

<211> 355
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132ad04d1

<400> 11628

tttatttttt ttttttttac tacggccaaa tttttttattc cagatactat aaattaatat 60
 ttatgggggc aaatcttgca ataaaatcac atccttacat acaaataaa tcacaacctc 120
 aaccatagga tcaaatccgt ccaaaatata ggagatggat accaccatcc attgcgtaat 180
 gcacctcccc caacaaagct ccaacattat cacatatcaa gccagatgct gtcttatgtg 240
 aacaccacca ttgctctctt ggacgaccat taggcattac aggaagaagg accattcact 300
 cattctatcc taccattcga tcaatccaat ttccttgaca catctccaaa agctc 355

<210> 11629
 <211> 412
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132ad05a1

<400> 11629

cctactagta cgtgtatact ctcaacttctt cgctctacat ctcttggtga ttgcctgagg 60
 tctacaaaag ttctcttatt ctctactcc tattgaactt tggtcataac acgagacaac 120
 ccacgtctgg accttccggt gcaatggcca ttagaggccc ctgtgaaatg tccaaatcga 180
 gcagctgtat agtggtgaag ggagtgaat atggacccca gatagctact tgactagata 240
 ggccataggt tgaacctctt ttctctgcag atttacctgg gaaaagatgc tgatgcttga 300
 agatatggca ttctgaggcg actcggatat gtaatgtgcc actcttgggg atggagcata 360
 tcgctgtgag acagactgaa tcctatcctg tatgtgaaga tgactacagt ga 412

<210> 11630
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132ad05d1

<400> 11630

gacatggaac attttttata atcttatata actaaatact ctcggtatcta ttgatatgga 60
 atacgaacag aataggcctt taagatcctc caataattag gcaactgggag tacactgaat 120
 tctatggtcc taatagtaaa atataaaata tgaatcccca agtgtgaaag aacaatttca 180
 tagcatatac ttgggtagat cctccaatca agcttactcc accccttttc gtagcattct 240
 tgcaaacagg gacaagatat aactgacaaa ttcta 275

<210> 11631
 <211> 498
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220132ad06a1

<400> 11631
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 accaaattat tgtgctagct agctagtagc tgaaataata taaaataatg aaatatggca 120
 ttcagcggga cccaacagaa atgcagggct ggcgacagaa ctgttcactt tgtcgaagga 180
 ttatctgccg atggagctgc ttatcacaag aactgcttca gatgcagaca ttgcaatggc 240
 cttcttgcca taagcactta ctcatccacc gaaggagttt tgtactgcaa ggtgcacttt 300
 gagcagcttt tcaaggaaac tggaacctac cccaagaaat ccagtcgctc tggaaagcct 360
 cctctcgagc tgaatagagc accaagcaag ctttctgcct tcttctctgg gactcaagag 420
 aaatgttcaa aatgcacgaa aaccgtatat ccattggaga agttgaccgt ggaaggcgag 480
 ttntaccaca gatcatgc 498

<210> 11632
 <211> 520
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220132ad06d1

<400> 11632
 ataattaagg agagtttttt agaaaagaga ttgctattgt aatccatcat ggattcagac 60
 aatagaatct cctttttcta ctctgatatc tgattcttaa tacacagaat gaaatacatc 120
 tgaaatgact gaaggatgcc atgcactttt ggcttgagat agtcatgtcc atgccccaca 180

gaacagagag gcttaaacta ctgattgcta gcaaattatg gaacacataa tactgtaata 240
 gccctttcgt gggaatgata caaggccacg acccaattaa tcaggaactt caaaatgtcc 300
 caaatgaaat ggggatttac ttgtagccag aaagatcaat tgtactcaa gacacaagtg 360
 aagacccccg cttgcaaaaa ttaatgttcc atcaatcaat ctagagctct agctcagagt 420
 gatcatcatc agcttgttca gcttcctttg atgttgatgt cctgtctggc tctgactctg 480
 agcgaccatc atcggttgca gtagctttct ccacagactc 520

<210> 11633
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ad07a1
 <400> 11633

cgccaacata cgaagacggt ctcacaggtg ggcacatctg tttacggagc tgcgaggtca 60
 cttgtctccg tttccaaagc ctcccatgga cgtgcgaatg gcgctgctag ggggtggttca 120
 tagagccgaa acatggctcc attttacgga cagagcggcc atgtacatga tcccacttga 180
 tcagcatgat catcatggag ttaaggagcg cttgtctctc ctggcggagc ttacatgttc 240
 caagatcagg ttgggccctc atctaagctg gatcgacat tcatagacat taagcctgat 300
 gaaatgcaga caaggctgac tcatgagatt atatctcccc acgtgcgggc tgggtacaag 360
 cctgtgggga ttaaaggagg gatta 385

<210> 11634
 <211> 294
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ad07d1
 <400> 11634

ataggattaa cagattatca tagggggctt ttttaaggcc cactagccca tattgacgca 60
 tactacttga aaatgttaat caagaaatca aacctgcacc aattatatag gcttgatcgc 120
 attggcattg gaccttatac aaaccaggtc acgtactcag gcacagtagt gaattacaaa 180
 tgccgatgtc gaacagtagc ctccaactcc tcacaggact cattttataa gctaccatga 240

gcctgaggca cataagcaga gtgcatcatt gacaggatct catgcacggg tggc 294

<210> 11635
<211> 542
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220132ad08a1

<400> 11635

ctcacacttt caaccccatc caatcctcac atgcatgctg tctctgcaa agtgccaagt 60
cacataacat ttccattggt accattcttt ctttccatca caaccactta ttaagcctct 120
gatcctcact ttctctcaca caaaaacaca ctacccatgg atcatcgcaa accattgcta 180
cccacttgtc ctgatgctgg tccaaatcca cacactcgca aggaccttct tctagttatt 240
tgcggttgct tattactctc ttcccttggt gcctttggag ggtacagggc ctccaacgcg 300
ccgcatgccg acgtggcatc ggcaacatcg aacgatgagc aacgtagtcc gacatcggtg 360
ccttctccga aatggtaccc ggattcgca ggtgtttctt cccgggtgtc agagaagtca 420
tcaagcatgt tggttgcggc taaagatgga gcttcgaggc atttccatgg gacaacagca 480
tgttgtcctg cagagaactg cttttcattt ccaccagaga aaactggatg aacgatccca 540
tg 542

<210> 11636
<211> 425
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220132ad08d1

<400> 11636

ccatatgtaa atatggttag cctaaaatgg gataacatta acatcaaatt tctttgaaca 60
gattcttttg aaagcatcat ttcccatgat atgataaaat tcccaccaa atttttgata 120
aacattactg ggcaaaactg aaggaatgag ctttgagcaa gaaccataac cttatgtcgg 180
ttattcaggg gaggacatta ccaactggtaa gtccaaattg ccaacccaag atgtattcca 240
atcctttggg actatagctc ttctatctcc aattcaaatt tttaactctt ctgaccaggg 300
gggaatgggc gtttaaagtc aaaattcatt tgccaaactt ttagggaggc tgtcacaggg 360

gcctaggtag cattgatgaa caagaacaac ctagcagctc catagattgc cttcgttgga 420
taaac 425

<210> 11637
<211> 137
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220132ad09a1

<400> 11637

cgcaaacata ccattccatt ctcacaggcg cgcacatccg aatacggcga tgagcagaga 60
cggggtacat tgccaaataa ccctaaacga cgttcgagat gagctggtag ggaaggttca 120
gaacgccaca acatggc 137

<210> 11638
<211> 319
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220132ad09d1

<400> 11638

aacatagaag gctagggggg attatgaagg cactaaaact cataaggaag gagagaaaag 60
aaaaattagg cggaggagat ttccccggag tatggactac aggaatgatg catcgtggac 120
cagatatgac atggaacagg acatgggttga gggcgcagct gctaaccatg attggctggg 180
aggtatatcc gacaaggagt actcgttgga catgtacggg agtcgaccct aggccagaag 240
cactgaatcc acagccatta gatgcacagg cgcgtatagc gctggcgaag ctagccaaaa 300
gaacaggctg aatcctgag 319

<210> 11639
<211> 512
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220132ad10a1

<400> 11639

gacgcaggca acgtgcattt tcccatagca aggacacat cagccggtt tcgctgccc 60

gtcgtttcgg atccatcgtc atcgtttttg tcttcttctt ccattagttt agttgagaat 120
 caatcccaag acaccgagct ggagccttcg cccgtcaccg tcgttgtctt caacggtcag 180
 atccgggtacc gatcgccgctc ctccgccgag ctcttcgacg gcagcagcaa ctctccgccc 240
 tcgcacgccg ccgaccagca ctccgccggag ttcgagtcca gcaaaatgct gaagcgcccc 300
 ggccgccagg agtccctcgc cgacaagatc taccggtttc gcgggacact gctcgtcgtc 360
 gcgatcccg cctcctcat cacattcgtc ctctacgtca tgccgtccag cacctccaac 420
 gagtacgtcg gagactacgc cctcgttaac cggataatgt ccccgaaaa gagatccgtc 480
 ggctcctacg ccgtcatctt cgacgccggc ag 512

<210> 11640
 <211> 588
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220132ad10d1
 <400> 11640

aaagattaac tatgatcacg aacgaaacca ttaatagaaa caaaaatgaa atggtgttag 60
 tatcaccatt ttgttcgtct ctgaagacaa catatataga acatatatag atgcccttaa 120
 tgaatcgaat gaatctttcc aaaatcgcaa attagatggt tgtgaattaa ttacatatga 180
 aaaataatga agctataatc tcccattatt tctgaatcac agaccatat ccaatctcag 240
 ttcagcctga aagttaatct ctgatcatca tgaatgacag tatttcacca caaaatcccc 300
 gtgatgaaac tcatgtgccc ctagatttca gacaaatcta agcgatagtc ccagtaattt 360
 tacgcagatg acacagcttc aatggcgctg cctagggggc atgctgcctc aaccagggca 420
 tcgtcgtatt taactttctt caccaatgta atctcttgcc atggatatat accaaacca 480
 tcaacgagta gtgtatactg gtatataaga tccatgcaaa gatagggaaa gttcccctca 540
 tcaacacgag gaatagtga tttggcattc tcaagttctg ttggcatg 588

<210> 11641
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220132ad11a1

<400> 11641

gcgtcgagct cgggagcgac ggaaatcgtg tggacgtgga aggagttggt gaagaagaag 60
 gaggaatcgg tcgctaagag tccgagccgc ctccggttcg cttggacatt ggtcgcattg 120
 agctgcggaa cgcacgcttt gcatattatg cacgtcttgg ggattgacat tgctcacgga 180
 cccgtcatgg agattcttca taactcatac ctgaaaggcg gctaagctgt ggggcctcta 240
 ttgggaccag gaccagagtt actctctgat ggcctaaacg catgcaggaa ggggtcgcct 300
 gatatgaact ctctcgtggg attcggatct gaagctgctc tcatcattag ttcgatctcg 360
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<210> 11642

<211> 489

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132ad11d1

<400> 11642

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 ttttcaaaag gtgaaaaaaa atgccagtgg accgctacgt acgaactgaa ggaagctatt 180
 atcttcaaaa tggctgaatc acagacctat atccacaggg agggaaaccg gaacgaaaag 240
 ctttgaccgg gatgactgac agtggccac caccacaggg cggatgatgaa aactacgtgc 300
 cggtagacaa aaggcaaac taagcgatag ttcccaggcc caaccacgaa aggacacagg 360
 tcccctggcg ctggctaagg gccatgctgg ctaaccaggg catgggccga aaaaactttg 420
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 tggggggaa 489

<210> 11643

<211> 492

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132ad12a1

<400> 11643

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 atccttattc atcagatggg catgatggca tagctagaga agatggagtt cttatgaatg 180
 atgagacagt tcatcagcta tgtaaacaag ctgtagccca cgcccaagct ggtgcatatg 240
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 ctgaaggctc tgagcatgtc tgtattatgt actatacagc aaagtatgcc agttcttttt 360
 atgggtccatt tagagaggca ctagactcaa acccccgtt tggagacatg aaaacttattc 420
 atatgaaccc agctaattac acagaggctc ttactgagat gcgtgaagac gaatctgaag 480
 gagctgacat tc 492

<210> 11644
 <211> 487
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ae01a1
 <400> 11644

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 gcttctgtc actgggtccc gaaatgccaa atggtggtct tcagccttcc acaatctcac 180
 agccatggtt ggtgcagggtg tctcagcct tccatttgcc atgtcaaata tgggctgggg 240
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 ggttgagatg cacgaaatgg tgccaggga aagatttgat aggtaccatg agttgggcca 360
 gcatgccttc ggagacaagc taggtctctg gattgtggtt cccaacaag ttgttggtga 420
 agttggcacg tgcattgtct atatggttac tgggtggcaag tcattgaaga aagttcatga 480
 taccctt 487

<210> 11645
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ae01d1

<400> 11645

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 ggccgcctac ttggcgcgaa tatcttaagc aagcgggtgcg tgcactgggc gctcctcggc 180
 tgccccggcg tctgaaaagg aacgtacgct agtcgcctgt ccaacctaaa aggcgtacct 240
 cacatcgcca cggcgatct ttttcgacac gaactagcct tctctgacct cctcttttcc 300
 aagttctctc cttcttcctc ttcactttga attaactaga tcaattctcg taacgcaa 360
 gggggcgggg acattgaaag tcctgcgtac ggtgcagcgc gaagacagaa aaatgggggg 420

<210> 11646

<211> 463

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132ae02a1

<400> 11646

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 accatcatat tgtaattac ttccaattaa tatgggctgt gctatcatta accttctcct 120
 aataattttt atatatgaag ccagcgccga cacacaaact gcaacagAAC cagaagtgg 180
 cagaacttca caagacttcc actactgctg tgattataag caggctagag gaaactacgc 240
 agccaacagc ccctatcaga ccaacctcaa cacccttttg tccactctca cttccaatac 300
 agatattgac tacggtttct acaatttcac aaccggcgaa aaccccgaca aagtgtacgc 360
 cattgtgctg tgcagaggag atattaatcc agatgaatgc cgtaactgcc tcaaactttc 420
 cagagccaat ctcacagagc tctgtccagt tcagaaggat gca 463

<210> 11647

<211> 372

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132ae02d1

<400> 11647

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 atgaagaggt gactggccct ccctaaaac atatcacagg gacaaacagt ctgcaccaa 180
 ctactactga ctatatctat gagtgacaac tcagaacatg ccatgcttac agttgactga 240
 aactcatatg actcagctgt attagaggac tgtagctatg tgatactttt aactagtctg 300
 agtggctttc atccccagcg gttaatctag tcgcaacctg cattgctgct ctggcaccct 360
 actttggcaa tt 372

<210> 11648
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ae03a1
 <400> 11648

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 ccgacaaacc cagaagctga agaacaccgc caccaccgat tcgcagactc ttctgcctct 180
 ctacctcacc aacgccctct tcttcgcggt gttcttctcc gtggcctact tcctcctcca 240
 ccgctggcgc gagaagatcc gcaccgtcac tcccctccac gccgtcacc ccgccgagac 300
 cgccgccatc gtctccctcg tcgcctccgc cgtctatctc ctcggcttct tcggcgctcg 360
 ctcccgcgcc tccctcgacg agctctccga cgacgagatc atcctcaagg aagactcccg 420
 cgccccgggc ccgtgc 436

<210> 11649
 <211> 579
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ae03d1
 <400> 11649

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 ttcaagtacc tctgtacaat ctccataaga gaaaatgcct cacacgaagc agatattcaa 120
 tgaatgcaa cccaccccaa ggcttctggg gagctggatt tgcccatgga agatgccaac 180

catcacttta tcttttacct ccaccatcat caataccaat ttttttctcg ttatttatgt 240
ctttatctga tggtttgctt attagaatat tagtctctga cacaagttta agtgtactgt 300
ggccagttca ttggacaatt gtagatatat ccctgctaga tctgttgat ttcatgtggc 360
tcttaacaag ttgtccagct gcaatagcag acatgagcga tagctccccg gcgaggactg 420
aaccggctac aatggtggcc agtagcctag aatttgacc cgagattct ttgttggcac 480
ccttgacacc aagtaaatta agacatgctg actgagatgc gagttgtgtg ccacctccac 540
agtaccaacc ttaatggagg gcatgggtcac ggaacatg 579

<210> 11650
<211> 324
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220132ae04a1
<400> 11650

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gaaaccata tcttggttac tgaatacgcc ctgaggggtgc acctgactga tacagatcga 180
tgagccggt tgcttgaag tgactcaca atgtaactct ccggcgcacc ttagcaaata 240
gggatctgtg agaccctaca tctaagcctg attacgaaac cagagaacat caggctgaga 300
atcatgggaa gaggcagagg gaaa 324

<210> 11651
<211> 101
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220132ae04d1
<400> 11651

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gaaggagcac aacgaacaca tacgcgaatc tgcattgaca g 101

<210> 11652
<211> 555

<212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220132ae05a1

<400> 11652

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tgtcactatg gctggatcag tacatgcaca caacgttggt gttagtcttc ttagcaaagt 180
tggaactggag catttgattg ccagaaatga agatgaatat gttgaattgg ctgagcagtt 240
ggcctctgac atttccgcac tacaaaattt gagaatgagt ctgcgaaatc tcatgtccaa 300
gtcccctctc tgtgatgggtg caaaatttat cctaggtttg gagtcaacat acagaaaaat 360
gtggcaccgg tattgtagag gagatgttcc atctttaaaa cgcttggaat tgttacanga 420
agttgctact ggtgacctgt caaataagaa ttctgagcca acaaggattg catactcagn 480
ggaggacagn tctgggtctg tcaaggcaat ggatataata caattcctgc atcaaagctt 540
aacatacaca ctgcg 555
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<210> 11653
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220132ae05d1

<400> 11653

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cttaaaatag attttaaccc ggcaatctta aatatatcca ttctgttct ttatatgggg 120
gcattgcaca attgacagat aaaaaaatg ccatgaaaca aattgataag ctattaacaa 180
ctattataat cgagggggga aatatgccac agaccacggc taccaaaaga atgtgtaaca 240
gaatgcacct caaggtagct tcacctcttg gtcttggaac actctgcacc gaaggggggt 300
ttataactaa cctgctgcct atagcccccg gcccgaatgg tactctattc aagttaactt 360
tgtgctgtgc tgcggctgct ttccagcttt ttccagtagc aaccatgcaa cctagtagta 420
ccactattgt aacggaattc cacctgaatc actacaaaag gattcttgga t 471
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<210> 11654
 <211> 99
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220132ae06a1
 <400> 11654

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 cggttactat tttcccctaa cccaatcca tgtccaaat 99

<210> 11655
 <211> 137
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220132ae06d1
 <400> 11655

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 atcaacataa ttaaaaaaga gaggaaggag gttcacccgg ataattgaat ataggattca 120
 tggcatattt gaccaga 137

<210> 11656
 <211> 105
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220132ae07a1
 <400> 11656

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 cggttaccat ttccccctaa cccaatcca tgttcgaatg aggct 105

<210> 11657
 <211> 95
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220132ae07d1
 <400> 11657

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 acgaaattaa aaatgagacc aaggagggtc ccccg 95

<210> 11658
 <211> 127
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ae08a1
 <400> 11658

cgccagctta ccactccagt ctcccaggct tgagcttccg gacacggcga ccagcggaca 60
 cggggaccgg tttccctctt ccctatgcga tgtacaactg cgggtggtag gagaggctca 120
 taacccc 127

<210> 11659
 <211> 185
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ae08d1
 <400> 11659

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 tcaaaattaa aaatcctaac aaagataatc caccggcaca cttaaaataa aattttctccc 120
 atattcaaca caactaattt tcaccaatca catgtttcat acacagccat gaatcacaat 180
 ttatg 185

<210> 11660
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ae09a1
 <400> 11660

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 gaaaccgaa acatggcgcc gtcttcacgc ctgatgcgtg cttatgccac ttctcaatgg 180

aggggcctgc ttgttacgta gttatgcagt gcgatgactt tcggggcccag gttgctgaat 240
 ctggaaccac gttggaacta actcgaagcg tggtcacgga gattgaggac tccactgggg 300
 tgacctatgc cacagttata ctccctcacc aatctcgtcc cactcccgag cttatagaga 360
 ccgtcatgcc taacggtaat gtgttaaaga agcagcat 398

<210> 11661
 <211> 83
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ae09d1
 <400> 11661

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 tacaaaagaa ataaccccg caa 83

<210> 11662
 <211> 532
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220132ae10a1
 <400> 11662

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 agggaatagt gccaaacctg atgaactgca tgaaataatc agggctggag ctatgggact 120
 gaagctgcat gaggactggg gaactacacc ggctgcaata gacagttggt tgacagttgc 180
 agaccaatat gatatccagg ttaacataca tactgacacc ttaaaccgaat ctggatttgt 240
 tgaacataca attgctgcat ttaaaggaag aactattcat acttaccaca gtgaaggagc 300
 tgggtggtggc catgctccag atatcataaa agtatgtggt gagaagaatg tgctaccctc 360
 atcaacaaat cccacacgtg cttatacaca taataccata gatgagcatc tcgacatggt 420
 gatggtctgc catcatctta ataagaatat tccagaagat gtagcttttg ctgcatcaag 480
 aataagagct gaaacaatng ctgctgaaga tattttacat gacaaggggg ca 532

<210> 11663
 <211> 144

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ae10d1

<400> 11663

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 ttggggggcac cagaaaacaa ttcttctttt tgggtatcca aaaattgaaa aaatatgggc 120
 atgctctgtt aacgggtttt gccc 144

<210> 11664
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ae11a1

<400> 11664

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 ttcaatttcg attctttcgt taatttaata agatgtttgg gagggcaccg aagaagagcg 120
 ataatacgag gtactacgaa atcctcggcg tctccaagaa cgcttcgcag gatgatctga 180
 agaaggctta caagaaagcc gccattaaga atcacccga caagggcggt gatcccgaga 240
 agtttaaaga gctggcgcaa gcttatgagg ttctgagtga cctgagaag cgtgagatat 300
 atgatcagta tggatgaagat gcgcttaagg aaggaatggg tgggtggcggt ggccatgatc 360
 catttgatat cttttcatct ttctttggcg gtgggagtcc ctttggatca ggtggaagta 420
 gt 422

<210> 11665
 <211> 483
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ae11d1

<400> 11665

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 ctacttattt ttaagcccca coctacagtt atggaacatc aacagtttta tcatcatatc 180

atcattttca tcaattcgga atttagcttc cacacaaagg catttcgggg gggccccctg 240
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 ggggttcttc caagactcct ccccatgtt gacatcatgg aggggaattt cctcacattc 360
 atccagctcc atgtttggca attgggaaaa aggctttggg ggcaaaacag cctccaaggg 420
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 ccc 483

<210> 11666
 <211> 521
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220132ael2a1
 <400> 11666

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 ggctaaatct gttgcattag aggtttttga cttgttgaag aaagcctttg gaagagatcc 180
 tgggcatctc actgctgaca gaagtttccc aatggggttt gtacagctca atgcaatgcg 240
 tctagctgac atcttctctg atgattcaaa ctttcgatct tacatgatac tttgttttac 300
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 tggatggatt ttggataata cttcaccgga tgtaagatat gctacaaatt tggaattcaa 480
 cctaaatccc tacagcatgc ctaaggcttc ttatgcacat c 521

<210> 11667
 <211> 504
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220132af01a1
 <400> 11667

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 aataatTTTT atatatgaag ccagcgccga cacacaaact gcaacagAAC cagaagtggT 180
 cagaacttca caagacttcc actactgctg tgattataag caggctagag gaaactacgc 240
 agccaacagc ccctatcaga ccaacctcaa cacccttttg tccactctca cttccaatac 300
 agatattgac tacggtttct acaatttcac aaccggcgaa aaccccgaca aagtgtacgc 360
 cattgggctg tgcagaggag atattaatcc agatgaatgc cgtaactgcc tcaaactttc 420
 cagagccaat ctcacagagc tctgtccagt tcagaaggat gcaattgggt ggtacgagga 480
 cgacaaatgc atgttgcgct actc 504

<210> 11668
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220132af01d1
 <400> 11668

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 gccctTTTT ttttttttta ttcaacactc tcaatcattc attgaaatga tagaacgagt 120
 actgactggc gctaccctaa aacataacac agggaccaac agtttgcccc aagctgccaa 180
 tgaatcgatt tataagtgac aactgaccct atgccgttgt ttacatacat tgaaatgcat 240
 agaagtgagg cgtattaaag gaattcagcg ctgggatact cttcaacagc ctgattggcc 300
 ttattgcccc gctgttgatc tacataggta ctggatcggt gccacgggat gacactctgc 360
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<210> 11669
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220132af02a1
 <400> 11669

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ctcgcctcact aagcgcagtt ggaagccacc tccgagcatg gcaaaaggcc cagtcagagc 180
 caccgtttct atagagaaag agaccccgga ggccaatcgt cccgaaacgt ttctcagagg 240
 agtggacgag gccagtcctt ccacttcggt tcgggcccgc ttcgagaaga tgataaggga 300
 ggcccaggac accgtgtgca gtgccctega ggccgctgat ggtggggccc agttcaagga 360
 ggacgttttg tccaagcccg gtggcgggcg tggcattagc a 401

<210> 11670
 <211> 368
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132af02d1

<400> 11670
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 aagaaggctg ctttctgttt tcttacatgg gattgaggag ttacttgatc aaagaaccat 180
 ggttgccatt aggtatacta caaaccacgc ctgaacattt gtaattttct gcattttcac 240
 gctttacgcy gatgactcta gcaaaatacg tgatttacia tccacctaata ccaacaagct 300
 agcattctga ctcatcatta caggcacttg atataccccc gacacagaaa ctacgcccct 360
 tattattg 368

<210> 11671
 <211> 474
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132af03a1

<400> 11671
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 ccgacaaacc cagaagctga agaacaccgc caccaccgat tcgcagactc ttctgcctct 180
 ctacctcacc aacgccctct tcttcgcggt gttcttctcc gtggcctact tctcctcca 240
 ccgctggcgc gagaagatcc gcaccgccac tcccctccac gccgtcacc ccgcccagac 300

cgccgccatc gtctccctcg tcgcctccgc cgtctatctc ctcggttct tccggcgtcg 360
 ctccccgcgc tccctcgacg agctctccga cgacgagatc atcctcaagg aagactcccc 420
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<210> 11672
 <211> 514
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132af03d1
 <400> 11672

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 tgaatgcca ccaaaccaca cgcttctggg gagctggatt tgcccatgga agatgccaac 180
 catcacttta tcttttacc ccaccatcat caataccaat ttttttctcg ttatttatgt 240
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 ggccagttca ttggacaatt gtagatatat ccctgctaga tctgctgtat ttcattgtggc 360
 tcttaaccaa gtgtccagct gcaatagcag accatgagcg atagctcccc gcgaggactg 420
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 ccttgacacc aagtaaatta aaacctgctg actg 514

<210> 11673
 <211> 514
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132af04a1
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 tattcttatt cttaccaccc ttgttgctgt ctctgggtct tacgttttcg ggtctgctgt 180
 gggatattca tctcctgctc agactggaat catggatgat ctaaattctg gtgtggccaa 240
 gtattcactt tttggatcaa tactgacaat tggagcaatg attggagcca ttataagtgg 300

tagaatagcg gattatgcag gtcgacgaac tgctatgggc ttctctgaag tattctgcat 360
 attgggatgg cttgtcatag cattctcaaa ggttggttgg tggctttata ttggaagatt 420
 gttggtggga tatgggatgg gccttctatc ctatgtggta cccgtttata tagctgaaat 480
 acaccaaga atcttcgagg gggattcacc acag 514

<210> 11674
 <211> 613
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132af04d1
 <400> 11674

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 acaggttcaa cccaacacaa aatctttgca tcataaacgt gatcaagctt gtttcataaa 180
 atctttaatt taattcataa tctataatct ggcacttagg aaattgtttc tggattaatt 240
 atgcatgcaa ttttgctact gggcatgcc aaattcatgt ctttggtgaa tatggattca 300
 gagatatatg cttgaacttc ttctagagtt ctcccttgtc tctgggtacta gttttgccac 360
 gaatagaatg gtgaagccac atatgatgga gaatatgaag aaagttcccg ctgaactcca 420
 actcatgagg aagttaaaag cgtatgatac aatccaagaa cacaaccagc tagccaaatt 480
 cacaagactt ccagccgagc ccttcacatt aatgggaaaa atctcagaca ttataaccaa 540
 ggggattccc cccatgccaa gcaagaatga tcctgtatat gccaatcac caacatgcgt 600
 gagaatggaa ctt 613

<210> 11675
 <211> 505
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132af05a1
 <400> 11675

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cgacgtctcc tcttggtcc accgccaccc cggcggtccc ctccccctcc tcagcctcgc 180
 cggcaccgac gccactgacg ccttcctcgc attgcacccc ccgaactccg cctccctcct 240
 tctccccggc ttgccacccc cccacctact ctcggtaccac tccgtctccc ccgcctcctc 300
 cgactaccgc aagctcttct ccgacctctc ctctctcaac ctcttcaacc gcaagggcca 360
 caccatttcc atgctcctct cccttatact cgtccttttc cctctctccc tctgtggagt 420
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<210> 11676
 <211> 613
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132af05d1
 <400> 11676

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 aagcatgaag tgctgagcat tactaaacca catatgacaa gtgccagtag tttctttctt 180
 acccatttcc aaaaggagat tagccaatcc cctgccaaaga caatgagtaa ccgttgcaaa 240
 tcaattattc tctcttcaaa accaaggaca cctacgggac aaaacttata tgcagtttct 300
 tggatgcgtt tggttttttc ctccaatcag atttgaagtt ttatgctggt aatccacata 360
 ataatgatag aaaaactcca attctgatag gagaacaaca ccaagagcac ctatgcaact 420
 atatataact ttcattcccta cctaccaatg cacctccatc aaaccatcaa tgacagcaaa 480
 accacaggaa gctccactca aatccccctc atccatgagt gttaacagcc taccaaacca 540
 agttcttggg aaccggcttg gaaccatctc ttgcctgcaa agcagcattc cctagagtct 600
 gaatcgtcag cac 613

<210> 11677
 <211> 94
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132af06a1

<400> 11677

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cggttactgt tgcgcactca ctctactcca tggt 94

<210> 11678

<211> 95

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132af06d1

<400> 11678

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acatcctgca caggagcttc aacatgaata ttgac 95

<210> 11679

<211> 109

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132af07a1

<400> 11679

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cggttgcatg tgctcccttt ctctaaacca tgttcaaag gtacttttt 109

<210> 11680

<211> 213

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132af07d1

<400> 11680

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tttgaatcac actatgaagt ccggctctgc ttttaaccat gacctacttt gtacatatt 180
tgtcattaaa tggtcgctgt ccatacgcgc taa 213

<210> 11681

<211> 346
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132af08a1

<400> 11681

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 gaacgccaaa acatggctcc tccataccgc ctggagggggc atatgcaaga tccaagtgga 180
 ggagcctgcg tgtcatgtag tcaatcacag agtggactta cgggccccagc ttgcataata 240
 ggcgatcact atggcaccac tacatagagg ggtcacgcag actgaggaac tcaaccgggt 300
 gaaatgcgga ccaggcagac tcatactata atattgagcc acgtac 346

<210> 11682
 <211> 97
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132af08d1

<400> 11682

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 aaaaagtcga gcaaggaggt tccacctgat tatttaa 97

<210> 11683
 <211> 370
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132af09a1

<400> 11683

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 cttaaaccba aaacatgcct cctcctatag gcctgctagt ggcctacttc atggtgaccg 180
 ttgaccagcc tgtgtatata gtatctatac acaaagagga cctacatgcc cagtttgcac 240
 attccgcgat ttctatggcc ccacatctta gaggggtcac gcagactgag gccctgaaac 300

gggtgagatg cagactgcg aaacatatat tataatatag cccaagtac gctgtgacaa 360
ccaccctatt 370

<210> 11684
<211> 102
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220132af09d1

<400> 11684

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aacacaacta aaaaaaata actaggaaag aggttccaca ag 102

<210> 11685
<211> 560
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220132af10a1

<400> 11685

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ggtttgttgt ctctgctttg gtgcttggcg ctgctactgt tcctcagttc ggatctccca 180
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aaatccggcg acgccgtctc cgaccagttt ccggcggggtc tacgggttct cgtggtggac 300
gatgacccca cgtgtctcat gattcttgag aagatgctcc ggacgtgcct ctacgaagtt 360
accaaatacga atcgagcaga aactgctctc tcaactgctta gagagaacaa aaatgggttt 420
gacattgtta taagcgatgt gcatatgccg gacatggatg gatttaaact tttggagcac 480
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gttatgaagg gcgcgactca 560

<210> 11686
<211> 201
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220132af10d1

<400> 11686

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catgggggttt cttttatatt caaattctat cctatcacia cgaaaacaac ccaaacaaaa 120
acggaccaga ctgacaccaa aaaaaaaaca gacacaaaca aaaccccaaa cctaaaaaaa 180
ccataaaaca aaatcgcaaa a 201

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<210> 11687

<211> 486

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132af11a1

<400> 11687

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ggctaaatct gttgcattag aggtttttga cttgttgaag aaagcctttg gaagagatcc 180
tgggcatctc actgctgaca gaagtttccc aatgggggtt gtacagctca atgcaatgcg 240
tctagctgac atcttctctg atgattcaaa ctttcgatct tacatgatac tttgttttac 300
taaagtctg acagcaataa tttcgctctc ccatggagat tttttatcct gttggtgttc 360
atctaattc tcagagacgg aggaggatgc aagtattgaa tatgatatat ttgctgcagt 420
tggtatgatt ttggataata cttcaccgga tgtaagaaat gctacaaatt tggaattcaa 480
cctaatt 486

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<210> 11688

<211> 528

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220132af11d1

<400> 11688

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cacagttcca catattgtac aagaccctac caacattttt gctgccatt atgggctttg 120

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ggggtattatc ctaaactaac ccattttcaa tgggtgaaca accctgggtt tcaacatagg 180
 gggccttttc tagtttctac ccatccttgg ctaacaaact ggactctttc tattcggtat 240
 tgggtcttctc agccaaccaa tctgctatcc cttcagctaa tgtttatgga aataaagaac 300
 atgcgcattc aaggaaccac atggaagatt gacaacagat tgcagctaata gaagcatgat 360
 taaactcatt caggtcgcaa tgcaaaaact ctgtttgaac ccataacac ctttatgact 420
 cctaacttag tttcagcctc tgcaaatgtg ttgccagtgg cttctgatgg atagggtagc 480
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<210> 11689
 <211> 291
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132af12a1
 <400> 11689

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 tgaagcatat atcattcctt acctcgatgt agatgccgc tccttacgac ctttctacgc 120
 gcctatgctc gtcgctctaa atgctatcga cttgacgtag aacgcctttg gaggacatcc 180
 tgggcatctc actgcatgac agcaagttgc caatgggagt gtgacaggct atcgaccga 240
 cgagagtgtg acatcttctc tgaggattca agcttgtcag cttacatcat a 291

<210> 11690
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ag01a1
 <400> 11690

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 ccagatctcc tatgctgagc tccatgcatg cttgtagctc gaccctgaca tgaagggcgc 180
 ctgctaaacc tgcaccacga ccaacatggg gatgggttcta ggagagatca caaccaggc 240
 cagcgtggac tatgagaaga ttgcgcgcta cacatgccg aacattggct ttgtctactg 300

atgatgatgg ccatgactct gacaactgca ggggcctggt cagcattgat caaccgagcg 360
 ctgatactgc tcaaggtggg cacggccacc tcacctagaa gcctgaagag attggagctg 420
 gtg 423

<210> 11691
 <211> 333
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220132ag01d1
 <400> 11691

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 tgcaatagaa caggtatgcg ggcgggtggaa tgagatcacc acagttttct agacttaaag 180
 ttgaaggaaac gttccttttag gttgcaacat aaaacaaata cacggcctga aaggacacaaa 240
 tagcagttcc aaaatgaagg gggggccttg ttgacagtct tcccctcata cttctccctt 300
 ttgccttcca gggtagctaa cacagactaa atc 333

<210> 11692
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220132ag02d1
 <400> 11692

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 cagaaaaatg gcatgcgctc tataatttga gatcattaca tttttctagc ctaaaacttg 180
 aaagaacatt tttttttgcc tcatcatata acatatacat ggcctgaaag aaccccatc 240
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 agttcgaggg aaggaaacat agagaaaact ctaccaacca gattataaga agcccgttgg 360
 agtgcaaaag acccttgcca aaagtgggtg aacccctttt atataaacag gaaccctttc 420

ccccttgagg

430

<210> 11693
 <211> 390
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220132ag03a1

 <400> 11693

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 ttatccgctt gcttcactta gctcaagagc gtacaattca ggcaaaggcc ttgaagtcgg 180
 agtgtgtgtt aaggatttct taggagttgc ttctgtcttg actgaagaaa tggaggtata 240
 tggcaaatct atggttgacag gtcctgcaaa tgttattttt ctgtcaagta ttttgggcca 300
 agaaggtcca gttcccggtc acaaatgcga ctggaaatgt caaaatgaac atgtttgtgg 360
 aaacatgtat cgctgcaagc taactgggct 390

<210> 11694
 <211> 636
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220132ag03d1

 <400> 11694

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 acatctgcct tgaatacaaa agcaaaaaac tggcaaaaaa acattatcaa ggtttaggag 180
 agtttacttt caagggaaaa tcaactttcaa tctccaata aagagggaaa tgtatgcagg 240
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 tattttgttca atcattgcca ctgtccacag gctcttacag tggaagacaa attcatttgg 360
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 actgttacat ctactccata ccaggtacca gctgctaagt ctcatcataa ctcgatgttc 540

ttacagccac atanaatggt gcctaaaatt cagaagtggg atatctgagc atgaacagct 600
 aaacttatac ctacaagaaa acgagaagta tcaata 636

<210> 11695
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ag04a1
 <400> 11695

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 gagtggtagc ccgaatggcc ccatctcagg gaccactcc tctccctcct caaaaccatc 180
 cctctccctc tcccgttca gctcctcgtc cccggtgag gcaactcccg cctctccgag 240
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 ggagacatgc tccgcccga cgtccgagc cgccccctca tgcgatggcg cgttatggac 360
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 t 421

<210> 11696
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ag04d1
 <400> 11696

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 ccgaaaaaaa accccccggg gatagtttca ccccggaatt ttccccggga aggggtcccc 180
 aaaaaccaa accctaaac ggtgaaggca ccccccttt aaaaaaggg gggaagcccc 240
 cccaaatttt cccccgggc taaaacccc ccaaccag aacccaatt aaaaggacaa 300
 cccttgggga gaaaccccc ccgccttgg aaaaccggc tttcccatgc ccccccgaa 360
 aggtccccgg cccaa 375

<210> 11697
 <211> 557
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220132ag05a1

<400> 11697

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 cttcttctga gatttgctga tgattcgtag atcgagagct acataagcac cattggagtt 240
 gatttttaaaa tacgtactgt tgagcaggat ggaaagacca ttaaactaca gatctgggac 300
 acagccgggc aagaacgatt taggacaatc accagtagct actatcgtgg ggcccatggg 360
 atcattattg tttatgatgt gacagatgaa gagagcttca ataatgtgaa gcagtggctc 420
 agtgaaattg atcgctatgc aagtgataat gttaacaagc ttttggttgg acacaagtgt 480
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 ggcataccct ttatgga 557

<210> 11698
 <211> 331
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132ag05d1

<400> 11698

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 caaaacaact tcggacgtgg gccacctggg gacatttagg aaagaaaaca gcttccaggg 180
 aatggggtcc ccaccgaaga ggctccgagc ccctacagtt tcggaaaaga actcccaccc 240
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 cgtgacaccc actctcccct tggggagccc c 331

<210> 11699
 <211> 542
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132ag06a1

<400> 11699

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 cttgatcaga gaatttcatt aaagaataac ataagtggg acgaagtcac tccaactcga 180
 aagaaaagaa atgttgggaa caaaattgag aagattgaag aacttattcg ggaatattca 240
 gtatcaactg attttgtcag tatggattgg aaaagaatga gaatacctcc cgttctttct 300
 tcttcagagc atgcttggtt gttcaaattg atgcaaccta tgaaggcact gcttcaagt 360
 aaagaagatt tacagcagga gttgacaaga gaacctgcag atggtgaact agctgatgca 420
 acatacatga gcattacaca agtaaggaaa gcaatagatg ttggtcaagc tgcaagaaat 480
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<210> 11700
 <211> 554
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220132ag06d1

<400> 11700

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 atactatata actgggtaag gtgtttatat acattagtcg ttatataaac ataacggcga 180
 agataatcca atctagctga atgcttgagc ttcataagag ccttgacttc gtgctttcta 240
 accatttccc tagatatatt caagttccca gcaatttctc ccaatgttct gtcacccttg 300
 ccatcaagtc caaatctctg tctgatcacc aagctctcct tcggcttcag ggaatcaagc 360
 acatcatcaa gagcaagcct tagtagagca ggttgtttcc tattatcacc attaacacca 420

tcatcatcaa cgatccatt aatgaactcc tcttgctgg ttgtatgtct cgagttcaga 480
 gaaagaatgg attttgatgc cttaattacg tcatggatc tttcagggga tatatgaact 540
 ctntctatta tttc 554

<210> 11701
 <211> 623
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ag07a1
 <400> 11701

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 agatacgggt cgggtgacgc agtggctgaa tcgaatggct tcagaacctt actacctctt 120
 ccatttctta accttcttct tctatttcgt cgttcgcagc tccgcaacct aaatcttagc 180
 gcctcatctc actcaccatc tcttctgctg cgaaatacaa aactgctag tgttcgcgat 240
 attggctttc atcaaggga taaaagaaga aacatggga gcctttatag ctgatgtgct 300
 tttcctggcc aagatttgtc tttttctcct agcctttaca atggatcgcc gcttagccga 360
 ttggtatatt cttgtattct tagtgataca tatgttaaca caacaacctc cattccaagg 420
 actaggtacg tctagcaagc taacaccgtt gcagttggaa agcctgctga cagagggaac 480
 aactacaaga ttgtggctgg tggaattccg ttcttcatat tcacctgctt gcattcgctc 540
 aagtcagcag tttcctgagc tctcattaca tattcaagca aaatttatca tttggaaata 600
 gtgatcttgg tctctttccc atg 623

<210> 11702
 <211> 607
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ag07d1
 <400> 11702

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 gatagattat taaataatgg atcaaattat aataacacct attgagattt aatctaatta 180

cacatacacc cccgttgtct gaagacatta ctttgaccct tgtgtgatgg tgtaaaca 240
 acgttaactt tcaaagttca ttacgaaaa tgcctcctc agatatccgg aaatccaaaa 300
 ttgccattct cagtgatgac taaatttcgg acaacttgct ccactaacat cctatttacc 360
 actaacatat tcgagaaggt gccgatcaag ctcaaatgt cgagaaagaa gcccctttgt 420
 aattttaggg tgaaaatatg cagcttcaaa atccaactca ggaaagcggg caacttcagc 480
 tgcattctca aataagataa atgttggaag ctggcccatg cttccactta gagatattcc 540
 aaatctttca gcagcattgt gaaagagacc aagatctact tttccaatga taaatctttg 600
 cttgata 607

<210> 11703
 <211> 549
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220132ag08a1

 <400> 11703

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 aaggccggaa aaataaaaaa ggaataacaa aaatgtctgg aaaggtaatt atctcggtcg 120
 tttctctcat cctggtggtt ggagtggcca taggtgtggt ggtggccgctc aacaagaagg 180
 gcgaggatcc cacacttcaa tctcaacaaa aatcagtagg gggttatctgc caaaacactg 240
 atgaccagaa gctctgccac gaaaccctaa gctccgtgaa gggcatggac accgctgatc 300
 caaaggctta catcgccaag gcggtgaaag ccaccatgga cagcgtgacc agggccttca 360
 acatgagtga taggctcagt accgagtacg gaggcaacga taacggaacc aagatggccc 420
 ttgatgattg canggacctc ttgcaatccg ctatcgagag cctccaactc agcattgaca 480
 tggttcacia caacaacttg caggccgtgc ataaccaaca ggctgacttc aagaactggc 540
 tcagcgctg 549

<210> 11704
 <211> 485
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220132ag08d1

<400> 11704

aatcaaagca attttaaaaa ttttcattaa aaatatttcc ggtagacctc caaagataaa 60
 taaaaagaat aacaaattgt ctacggacta tgacctcat catcacactc tctaacagta 120
 ctcaattgat gatgcatgga tatgtgtttg tgtaaattca attaagcctt catgaagcta 180
 agtgcgtagag gaacacggag agctttcaac cagtcgcttc caccgttggc tccagcctgt 240
 aggaactggg caggggtgaa ttgggtagct tcttcgctgc taataagacc acggtaaccc 300
 ttccacttga tcttccgtt aacgtagca ccaggccat cgttgttgta ttcagcatag 360
 tacaaggtgt cttcgaagtg ttcaccggcc catgggcacc attctttcgg ggtgaaggag 420
 tcaccactg tggattccat cacaccgtc ttgagaatng cttccatggc cttccaagta 480
 tgact 485

<210> 11705
 <211> 578
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220132ag09a1

<400> 11705

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 tgaggaggca gtgacacttc tgcaagccta gaatcctctc tctagtttt ttgtgaaaac 120
 agatagtgtg gtgcttttgg aggatccttt tctcaaagct tgcattgaac actatctaca 180
 ttttggtgat cagttgaagt gtggaaaaaa tcttaagcta aaggcaattt gggaagctgg 240
 aacaatgggt tctgtttgtt gttgtttgag ttttgatgat tttgaagatt atgtaaatcc 300
 aaatagtcct gtatatagga actgtgtgtg tctcagttgc ttgatacaga accttttgat 360
 tgtgtattct tcaatattcc gtagagggga tgcacattca attccttcat ctattcaagg 420
 ggcagcatct ataacttcag cagcatcact cgataattct ctatctgaca tgtatcgctc 480
 tctccaggc cattaccata tgatgcagaa cccagatatt tccgctcgca acgtgatgga 540
 ctagtctcag gcgtgagaag ggtcangtca ttcaaagt 578

<210> 11706
 <211> 704
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220132ag09d1

<400> 11706

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 cctcactang tgcgagcggc tcgctccttt attttctttt attttattct tttttttaca 120
 tcatttacac aagatttcca tactaataat tatgatagtt cttgtgtgtt ctctcaccgg 180
 ttttgtggac attgcgggat aactttttta cacacacaaa cacatagtgg ggcattacga 240
 tatgacacct cacatacata tgggttacag ggaaaacttt ttaatacctt actattacat 300
 tgactagaca ccttaatact gtagtatgtc acatatgggc tataacgctt atatctcttc 360
 catgccctca gttgcctgac ttcattccaca acacagacct tgtaatcaag tgaaagtcgt 420
 ttcattcgaat accatcacct ttccacagac aggacagttg tcacttctct ccatccactc 480
 ataaatgcaa ccaaggtgaa aatgatgaga gcattttgtc attatctttg gattctcttt 540
 agtgtattct tcaagacaag ttggacagac atcctcctcc tctgatgatg catagacaag 600
 accaactcca gttgaatatt ctgttgattg aagtcttagt gaggacttag aacggtattc 660
 ctttgatcca gcttcacagg cactttcctt ccatttgtct cctg 704

<210> 11707
 <211> 387
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220132ag10a1

<400> 11707

 ccgactcatt tcattctctt atccactgcc atatcgaacc aaagacggat ggagctgcgt 60
 cgaaggcacc gtaagatgca tcagctatgg aattggcatc caatctcggg ggcaagaaag 120
 acaaagccga agttctctct ggcgttcata agtatgagaa gtatcatgtc agctatggcg 180
 gtcaagagga cgagagaaaa gctaattata ccgatatgga taatgaatac tatgatcttg 240
 ataccaggtg ttatgagtgt ggctgggggg aatctttcca ttttgcaccc agatggaaag 300

gagaatctct tggagagagc atcagaggac gtgaacactt ccttgctctc acaacttgga 360
 ctgaagccag ggcaaaatgt tctggat 387

<210> 11708
 <211> 414
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220132ag10d1

<400> 11708

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 ccaaatacgg gggggctctg cttgatctaa ccacactggc aaatgaaacg gttgaaacct 120
 aactatacgc acgaaccctc aagaatcact agggacactg ggccaaaacc aatcttagct 180
 cgtgattcac ccgatcacia tatccgcaac tgatgacaac agctccctat atgggtcaacc 240
 aatttaattc caggacgaat caagcttccg ggccaagaag acttacattg gtgcgaaaat 300
 atatgcattc actgcgtaaa cgaggccagc tgcaggctat tataggaaag acttgaaccc 360
 ttagactacc ctttgagacc aggccaat acttcagaac ctggaccatg tttt 414

<210> 11709
 <211> 331
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220132ag12a1

<400> 11709

gcacaaaacg gagagcacat agctgcattt attttaaaac ctgtccaagg tgaagctggg 60
 gtgatattcc ctccaaatgg ttatttaaaa gctgatagag atcttagctc caaatatact 120
 gtcttgatga ttgctgatga aactcatact gtgttagcta gaacgccaat gatgctagct 180
 tgtgagtggg atgaagaaca ccagaagtt ctgatactac ggaaagcatt gtgtggagga 240
 ggtattccct ctctgtgcatt gcttgcatac aaagatgcaa tgccttgcat actacctgta 300
 cagaatggaa gtaccttaga tggaaatagc a 331

<210> 11710
 <211> 358

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132ah01a1

<400> 11710

gttgggagac tggcattatg ggccttttagc gcggttaagg cgcggaagca acttcatcca 60
 ccgctttttc tctcttttct tcctaagctc aacataggca aactctcgca gggggtaact 120
 gctgctggct ctgatcttcc agagagtgtt gccacgtgct gccaacccc tacacccatg 180
 attgtgccat ggaagagcca gtacagtcac cagcattctg tgtgagacat ccgaaccatc 240
 tggggaacct gtccttttag gacaaaagac gcggaacctat gacagcatgt tgggtgaatgc 300
 ctccatgact acctatggac gtacaatgga gaacgttcat gatccaccat catgaaca 358

<210> 11711
 <211> 393
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132ah01d1

<400> 11711

tttatttttt tttttttgat caatccactt tttattgagc ggaccccacc ggggaggcgg 60
 tctggggaca ctatacttta gagtgcccat ggagcattgg taaaggatcc tcctttatgt 120
 gagaaggggtg tgggcctatg aaagacgttg aggtgctttg cgcccttctt tatgtattag 180
 ggcacctata aactggactt tctcgaatct tacgcgagag gagcccctgg ggattgacta 240
 ataacttcca acaaaaagaaa ttgagaatgg agaccgtctg ttgccaccac aaataaaaaca 300
 tacatcccct cgatgcgggg taaagaataa aaaaaagctt tccaatcct taatccggca 360
 aggctaatag aaccggcaag gaaagccttt gat 393

<210> 11712
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132ah02a1

<400> 11712

attttagttt caaaaaaatt aattaactca agcatgctca aagccattgc catggggggg 60

002220" ETTES60

gccaatgaat atttttcttt cccacaaaaa attcatccac ggacctttct ctgcgttagt 120
 tctcacctgt tcttatacaa aatagtctaa actatcccag aaatatggcc ctggatgttg 180
 cttgctaaaa gtggcatacg gctgcacttt aaatgaaaac acgtgccgtt attcaaaaga 240
 gtgcac 247

<210> 11713
 <211> 352
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132ah02d1

<400> 11713

gcgccctttg atgctacatt tcaactagat tttttgcttt tttactttgg ggacaccgga 60
 aaaggggacc gggggcacgc tgaagaactg catgaaataa tcaggggttg agctatggga 120
 ctgaagctgc atgaggactg gggaactaca cccggctgca ggatactagt gttcgacagt 180
 tgcagaccta catgatatcc aggttaacat acatactgac tccttagacg aatctggatt 240
 tgttgaacat acaattgctg catttaaagg aagaactatt catactgacc acagagaaaag 300
 agctgggtgg ggccatgctc cagatatcat aaaagtatgt ggagagaaga at 352

<210> 11714
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220132ah03a1

<400> 11714

gaagaaatgg gttccaaggc gaagaagaag ggttcaccgg aggacattct ggaaacccta 60
 ggagacttca cgagcaaaga gaactgggac aacttcttca ccctccgagg cgattccttc 120
 gagtggtagc ccgaatggcc ccatctcagg gaccactcc tctccctcct caaaaccatc 180
 cctctccctc tcccgttca gtcctcgtc cccggctgag gcaactccc cctctccgag 240
 cacctctacg acgcccggca caccgccatc accaacatcg acttctccaa ggtcgtcatc 300
 ggagacatgc tccgccgcaa cgtccgagac cgcccnctca tgcgatggcg cgttatggac 360

atgaccgtca tgcagttcga gg

382

<210> 11715
 <211> 474
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ah03d1
 <400> 11715

ccccaaaacc caaaaaaaga ttaaaaagga acccaaaaaa aaaaaaaaac ccctcccccc 60
 cccaaaaaac tcaaaaaggc cccccaaaaa ggccattcaa ttccccccca caaaattttc 120
 cccaaaaaaa acccccccg gataccttaa ccccgaaatt ccccccgga agggccccca 180
 aaaaaccaac cccctaaacc ggggcaccaa cccccctta aaaaaagg ggaaccccc 240
 cccaaatttc cccccccctt tttaaccccc ccacccag acccccaat taaaggccaa 300
 cccttggggg aaaaccccc ccccttaga aaaaccggc ttcccccct ca ccccccaaa 360
 agggcccggc cccaaaaaca atccccggg ggaacccag gtccccttaa aaccggggc 420
 ctttttggc caccaaaaag ggtcgcccc ccccgggg ttcaccccc ccca 474

<210> 11716
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ah04a1
 <400> 11716

cccaattctt cccctccac ccaccagca tatctctcta ttctattta ttagcacc 60
 tcacattacc ttgtgtcacc aactacttg actcctttac cataccatta caataattat 120
 caaacctaac cagtaaaaat ggtgaccgtg gaggaaatcc gcaacgctca gcgttcccat 180
 ggaccgcca ccatcttggc cttcggcacc gccacgccgt ccaactgct ctccaagcc 240
 gattaccctg actactactt ccgcattacc aacagcgaac acatgactga tctcaaagaa 300
 aagttcaagc gcatgtgtga aaagtccatg ataaagaagc gatacatgca cctgacggag 360
 gagtttctga agagaacccg aacatgtgcg agtacatg 398

<210> 11717

<211> 555
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220132ah04d1

<400> 11717

caataacaaa cacacgatct tgttcatatt aaattattct tgtacaacat tatgctacga 60
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 ttattgatca ctcttaaatt cactagtcac cgcatacagca tgatttatcc ctccaaggga 180
 aactgtgaa gaacaacggt ctcaacggtt agaccgggcc cgaatccgaa tagcaccccc 240
 cactctaacc cttctccagt ggtactcttc cttctctcct tagacttctt cctcatttca 300
 tccagaatga aaaaaacaca cgcgcttgac atgtttccgt actcactcag cacatgccgg 360
 gtggactgga gtttctccgg cttgagccgg agcttctcct cgacttgatc gaggatcgcg 420
 ggaccaccgg gatgtgcat ccagaagata gagttccagt cgctgatccc gatgggctca 480
 aaagcttcaa cangactctt ctcaatgttc ttcgagatga tcccgggcac atctttcaag 540
 aggtggaacg tgagt 555

<210> 11718
 <211> 474
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132ah05a1

<400> 11718

aaaatcaaaa gagtctctcg gagaggaag aagggtgttg atgaaagtga agaaaaggag 60
 ttaaagggcg attgggtggt cagaaaccag aacaagaaca agaaaccta acgattgaat 120
 cttgatcaga gaatttcatt aaagaataac aaaagtgggg acgaagtcac tccaactcga 180
 aagaaaagaa atgttgggaa caaaattgag aagattgaag aacttattcg ggaatattca 240
 gtatcaactg attttgtcag tatggattgg aaaagaatga gaatacctcc cgttctttct 300
 tcttcagagc atgcttggtt ggtcaaattg atgcaacctg tgaaggcact gtttcaagt 360
 aaagaagatt tacagcagga gttgacatga gaacctgcag atgggtgaact agctgatgca 420
 acaaacatga gcattacaca tgtaaggaaa agcatagatg gttggtcaag ctgc 474

<210> 11719
 <211> 615
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220132ah05d1

<400> 11719

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 attacatgag tatgattatg atagacggta tttaaatgac cagtaataca aatcatcagt 120
 atactatata actgggtaag gtgtttatat acattagtcg tttatacaac ataacggcga 180
 agataatcca atctagctga atgcttgagc ttcataagag ccttgacttc gtgctttcta 240
 accatttccc tagatatatt caagttccca gcaatttctc ccaatgttct gtcacccttg 300
 ccatcaagtc caaatctctg tctgatcacc aagctctcct tcggcttcag ggaatcaagc 360
 acatcatcaa gagcaagcct tagtagagca ggttgtttcc tattatcacc attaacacca 420
 tcatcatcaa cgatccatt aatgaactcc tcttggtggg ctgtatgtct cgagttcaga 480
 gaaagaatgg attttgatgc ctttaattacg tcatggtatc tctcagggga tatatgaact 540
 ctttctatta tttcttgctc tgttggtgac ctctngagct caaatgttaa ctcagtttta 600
 gctttctgaa tttct 615

<210> 11720
 <211> 546
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220132ah06a1

<400> 11720

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 agggcaaggt ctggcttgat ccaaataag tcaatgaaat ctccatggcc aattctcgac 120
 aaaacataag gaagttggtt aaggatgggt ttattatcag gaagccgact aagattcact 180
 ctcgctcccc tgctcgctga atgaaggagg ccaagagaaa ggggcgtcac tctggttatg 240
 gtaagcgtaa gggtaacaagg gaggcaaggc ttcccaccaa aatcctttgg atgaggagga 300

tgcgtgtcct caggcgcttg cttcgcaagt acaggggaatc aaagaagatt gacaagcaca 360
 tgtaccatga catgtacatg aagggtgaaag gttatgtttt caagaacaag agagtcttga 420
 tggagagcat acacaagtcc aaggctgaga aggcaagaga aaagacattg tctgaccagt 480
 ttgaggcgaa gcgtgccaaag aacaaggcta gcagggagag gaaacaatgc tcgaggagg 540
 agcgct 546

<210> 11721
 <211> 575
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ah06d1
 <400> 11721

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 tcataaaaaa aatatccgat aaattctatg ttagctatat aaatgacaaa cataggcaga 120
 gtaactaaaa gactaaaacc aacagaaaga gacgtgacaa aaattacttg agcacggtaa 180
 ctgaagatgc ccacatagat aaagagccgc catccaccaa atctctgatc acacactcac 240
 ttcttggatt tcttcagtgc ttgagctggc tgggatgctg ctgcaggtgt agtagtttgt 300
 gctgctgatg gcctctctcc tggaccttgg gccaaagcgt cctccctccg agcatttttc 360
 ctctccctgc tagccttggt cttggcacgc ttgcctcaa actggtcaga caatgtcttt 420
 tctcttgctt tctcagcctt ggacttgtgt atgctctcca tcaagactct cttgttcttg 480
 aaaacattac ctttcacctt catgtacatg tcatgttaca tgtgcttgtc aatcttcttt 540
 gattccctgt acttgccaag caagcgctg aggac 575

<210> 11722
 <211> 547
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ah07a1
 <400> 11722

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 aaggccggaa aaataaaaaa ggaataacaa aaatgtctgg aaaggtaatt atctcggtg 120

catataccaa cctggctaca tatctttcat agggatatgaa tatttatatg tctatatcat 60
 aaggccggtg caatcatgcg ggtcttacat aaatgtcggc taaggaaatt atttcgtgtg 120
 ttcctctcat accgctgggt ggtgattaca tatgtgtggc ggtggacgtc aacaagaagg 180
 gctaggatcc tacacgtaaa tctgatgata aatatgtctg aggcattgtga cgttacactg 240
 atgaccaaatt gctgtgccag taatccacaa gatacgggaa gggcttgtac gccgctgatc 300
 caaaagatta catagtcaag gcggtgtaag ccaccatgga cagggtgacc agtgcctca 360
 tca 363

<210> 11725
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220132ah08d1
 <400> 11725

gaaaaaaaaa aatttttaaa aattattatt aaacatattt gcggaaggcc ttgacagatg 60
 aatacaaagt ataacagaat tgtgtacagg ctatgacctt gaacatcaca ctcaatcgca 120
 gtactgaaat gatgatgcct tggatttgtg attgtgtatt ttcgaccaag cctttatgaa 180
 cctaagcacg tgcggcacac ggagagcttg caagcagact cttacaccgg tgtctccagc 240
 ctgtaagatc tgaacagggg tgtattgcag aagctcttat gaggctaaca tgacctcaag 300
 tgtcccttcc gatagagcgt tacgttcacg atatcaccag ttacattgac gcagtatgaa 360
 gcattgaact atgcgtcttt gaacggttca cctgcccattg ggcacca 407

<210> 11726
 <211> 471
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220132ah09a1
 <400> 11726

gagaaacaat actcatcttt attacagggt tgtgtgaact gaagagggag ggtactggtt 60
 tgcggaggca gtgacacttc tgcaagccta gaatcctctc tctagtttt ttgtgaaaac 120
 agatagtgtg gtgcttttgg aggatccttt tctcaaagct tgcattgtaac actatctaca 180

ttttggatgat cagttgaagt gtggaaaaaa tcttaagcta aaggcaattt gggaagctgg 240
 aacaatgggt tctgtttggt gttgtttgag ttttgatgat tttgaagatt atgtaaatcc 300
 aaatagtcct gtatatagga actgtgtgtg tctcagttgc ttgatacaga accctttgat 360
 tgtgtgtattc ttcaatatcc cgtagagggg atgcacattc aattccttca tctattcaag 420
 gggcagcatc tataacttca gcagcatcac tcgataattc tctatctgac a 471

<210> 11727
 <211> 630
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ah09d1
 <400> 11727

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 tgcggaattt tttaaacaca aaaacaagtg ggattagaat gaactcaca caatgggttaa 120
 ggaaactttt cataacttact atacatgaca gacacttaat atgtagtatt cacaatgtct 180
 ataagcttat attcttccat gcctcagttg ctgacttcat ccacaacaca gaccttgtaa 240
 tcaagtgaat gtcgtttcat cgaataccat cacctttcca cagacaggac agttgtcact 300
 tctctccatc cactcataaa tgcaaccaag gtgaaaatga tgagagcatt ttgtcattat 360
 ctttggattc tcttttagagt attcttcaag acaagttgga cagacatcct cctcctctga 420
 tgatgcatag acaagaccaa ctccagttga atattttggt gattgaagtc ttagtgagga 480
 cttaaaacgg tattcctttg atccagcttc acaggcactt tccttccatt ggtctcctga 540
 atttaaggat tctggatcca catctgcatt acttttaaag gttctgttcc tcatttgaat 600
 gacttgaacc cttttaacgc cttgaaacta 630

<210> 11728
 <211> 214
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220132ah10a1
 <400> 11728

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ctctcagtga tttttgtata tatagttgta aatgttgtac gtatacaatt catttctttc 120
 aattctgggg tgatttgcct ccatgtaact aataatttgt aaatttggat tgtagatggt 180
 catatttgat tcatagcact tgctttgacc cttt 214

<210> 11729
 <211> 214
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132ah10d1

<400> 11729

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 catttacaac tatatataca aaaatcactg agagacagcg gcatttcagc agctgatgtc 180
 gaagtatttt ggatttgaag ggaaatgata ttcc 214

<210> 11730
 <211> 374
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220132ah11a1

<400> 11730

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 taccctatga gagacgtgga aagttgtaca tgatcaatag agttgagcaa tgatggtaga 180
 tgggtaatga gatgaggggag aggctgcagg tctgaatctc taaactgaca tgtgtggcag 240
 aactatcatt tgtcgatcat aaattgcata caatggcgca agaccctact acctacatga 300
 actgcataga atctcctgag accttatttc ggtgtttcat gctgagatct tcacactctc 360
 agacagagtc catg 374

<210> 11731
 <211> 541
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220132ah12a1

<400> 11731

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 ccataaaatc atccctccta gaccctctca ataacctcca tgactgggac ccctccccct 180
 cccccacctt gtccaactcc aatccccaac acccatatg gtgttctctg agagccatca 240
 catgccaccc caaaacatca caaatcacca ccctagacct ctcccacctc aatctctccg 300
 gcactatctg cccccaaatc cgccaccttt ccaccttaaa ccaccttaac ctcaagtggaa 360
 atgacttcac cgggagtttc caatacgcca ttttcgaact aacagaactg agaacactag 420
 acatcagcca caactccttc aattcaacct ttccaccggg tatatcataa ctgagattcc 480
 tcaggcactt caacgcctac agcaacagct tcaccggacc tctccccaag agttaaccac 540
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<210> 11732

<211> 414

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220133a01d1

<400> 11732

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 caaacttatt acctgcactt gaatactatt gaacataatg gggtttctgt cattgaagaa 180
 ccacctttgt catattcacc acaggaatgt ggacttggac acctgacact atacagtatg 240
 ttactgagag agaagatatt ttcaacggat acgtgttatc gcaaatacaa tgatctatca 300
 aggatgacat ctaaataact aaagaaatgg ggatcacgaa aggggatcaa actaaaggat 360
 cttgatatcc aagaggaaga gattgatatc tgtgtacatc ttcatgccaa aact 414

<210> 11733

<211> 344

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220133a02d1

<400> 11733

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agacataata agggcgtgat caccatgctt aatacagggg gaaaaaactt aaaaaaaga 120
aagttgcttt aaagttcaga ccttggcgaa aactgcataa ggagaacaat atgctctaca 180
aacataaata ctaactttac gtctgaacac accttcagaa atgtccctga actaattgaa 240
ctcgaagttt tatcatcata attcggttcc acataagcaa gggaagggat ccaaatcgtc 300
actgccactt caggggggta aattcatgtg aaaatttctt ctac 344
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<210> 11734

<211> 407

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220133a03d1

<400> 11734

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actccctttt ttttataata tattgctagg ttatactcag ctatggtgac aaactcccgg 60
gtgagtcatc tattaaagtg gaggctctcc aacgtctcct atacaatgtc catatttcta 120
acaagaacac aaagcccaca tactcacttg tacgatgtta actcgtaaag agggaagaca 180
ccaatgtgtc tgagatagcg attacgtatg actataatat catttgtggc agatcctctc 240
aataggctaa aactgagatc ataatatctg gatgtaactg ttctttctgc agctctatag 300
gtggaactgc aatcgtgata ttcacgcgta cctcaactaa agattaactc cacttccatt 360
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<210> 11735

<211> 379

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220133a04d1

<400> 11735

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ccagaaaatt atcatgaatt tcagaaaacg ccagggatgc gactaaaaaa aaaaagctac 60
aaccaacaac tcgcaaataa aaccacgaaa ttatagctaa ttagctaatt atccattaaa 120
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cactgtcaga gcaatccgaa aggaaaaaaaa gagaaaaaac atagccaact ccgttccgca 180
 tgatataaaa gtttaataca cctcctccat tttgctgccc tgaggatcag tttcagcctc 240
 ctctccagc gggggcatat aagcatcagc ttcagctgca tcctcggcga tgctcagtcc 300
 aagcttcaac attgtgggga tcctgtttcc aaaagtgttg gggtcgtcaa ggctgaaacc 360
 acaagtgaga agagcagtc 379

<210> 11736
 <211> 361
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220133a05d1

<400> 11736

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 gggatgctct ccctttaaaa ggaaaaaaat gatgttacat tacttctacc agataatgaa 180
 acaaattaat ttcttgcaact ttaagctttc acctgcatat cttagacgtc cttagggtta 240
 aggtatatat gcggaaggag gacaagtatt tgccaatgtc caattaaaga cttgcaacta 300
 tcgaactctg actgcatctc aacatagagt caacctacca tgttactcta ttgctagtgt 360
 t 361

<210> 11737
 <211> 288
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220133a06d1

<400> 11737

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 cccttcggcc gattgttctt ttgtgcgttt caaatgattg ccggggaccg tttgttgga 120
 accttgggca gaatctggaa catcggaacc gggtcctttt ttttggctgt taattgaccg 180
 ctaagcctta ggcgtgaatt tttggaatcc gtgaaaccga aaggggagcc tcacgaggaa 240
 ctagaaagcg tgcattcccc tggccgatat gcccaagctg ggggcaag 288

<210> 11738
 <211> 372
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220133a07d1

<400> 11738

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 cagcagcgag acattgttct ctgaatgaag agagaacctg gtttgaaagg atgaagatga 180
 catcggacta tagtagacgg aactataata gggcgctatc acaaggatag tacaacactg 240
 aaccagtcac tcaattattc gagaaggaaa gtagaggcga ttgacagtgc aggacatcct 300
 gcagggtgac gactgtcctc ttatgctgct ttggctagac gcttttcttc ctccattctg 360
 gctttgatga ac 372

<210> 11739
 <211> 106
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220133a08d1

<400> 11739

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 ttttattctg aacagcgttt cgatcgggaa acccatcttc aaacaa 106

<210> 11740
 <211> 547
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220133a09a1

<400> 11740

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 agtttttagta gctctcacag ttcaaatttt ctacatttca cccatagatc cagttttgct 120
 ggatataaaa cctgctcctt caaccaaaga caatcaatta cagaatatca ttaagcttgg 180

agaaggactt ttgaaggaac cagaagatgt tgtttagat aaagaaggga ctctctatac 240
agctactcga gatggttgga ttaaaagatt gcgcaggaat aatggaaaat gggagaattg 300
gaagcatata gatagtcata ctttgctagg aatcgcaaca gcaaaagaag gtggtctcat 360
tgtttgatgat acttccaagg gtttgctcaa gggtacagaa gaagatgggt ttagtggtct 420
tgtttcacac gtaaattgggt ctcagttaag gtttgagac gatgtgatag aaggctcaaa 480
cggaatgta tatttttagtg ttgttagtac aaaatttgat cttcaagatt ggtatttgga 540
tgtgtta 547

<210> 11741
<211> 320
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220133a09d1
<400> 11741

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agtatactag ttctaggact aacaaaatgt gaacagagaa tatgcatcat ggaacactat 120
tctgctacat gtgcttggtg taaatcatac ctatgcatca cgggatgctt ctttcgcttg 180
accaagctg aggctcacgt tggttcaagg aggggtaaac gtgactattg tatgcactat 240
acattgggat tcttgcaaca gaggtggaat taagactacc aagggttaagg gggctctgaa 300
actccacagg tgtagtcaca 320

<210> 11742
<211> 579
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220133a10a1
<400> 11742

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ggccccaaac ttgccagctg tggagagttt gccggtagt gtacagcaag ttaaagagat 120
aaccacccc gccaaacgtg gtcgtggaag acctaaaaga ataacttcag ataagtcacc 180
agctgtgggt atctctccag taacttctgg aactgttgaa gtagacacgc agttacagaa 240

aggaattggg tctggacatt tagcatcatc aactcctgat tctgttgctc attctgctga 300
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 gcctgtcatt cctatgcctt ctattccacc aaattctcag gtagctgctg ttctgtttc 420
 tgtacctatt caagcaagag gacaaggag gaaaagtcac ggtggtgaag gaattagacg 480
 tagagggaag aagcaggtca tgacttcac tccaatcccc tgctggttct gtgttcctga 540
 tctaagggtta atgagaaatg ggaagataca ttgtcagtc 579

<210> 11743
 <211> 206
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220133a10d1

<400> 11743

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 acagtgaatc tctgatgaa ttctgggcct gaggactcat cttaggatcc ctgaccagaa 180
 cagcctcagg aacaacaggt atcact 206

<210> 11744
 <211> 587
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220133a11a1

<400> 11744

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 aggccgttgt cccctggat tactgatata ttgttggtt caccagttgg tattagaagt 180
 gactatttcc gatggtgcag tgggtgtatg ggtaaataatg ctgcaggaga actgaagcct 240
 ccatcaaccg cttcttcccg tggttctggg aagcatcctc aacttgtgcc ttcaactcca 300
 agatgggctg ttgccaatgg tgctggtgtt atattgagtg tttgtgatga tgaagttgct 360
 cgcaatgaga ctactacttt aacagcagct gctgtccctg cacttttgct tcctcctcca 420

acgacagctt tggatgagca tcttggtgct ggattaccag ctctggaacc atatgctcgt 480
 ttatttcata gatattatgc aattgctact ccaagtgcta cacaaagact tcttcttgga 540
 cttctagaag caccceccatc gtgggcttca gatgcacttg atgctgt 587

<210> 11745
 <211> 306
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220133a11d1

<400> 11745

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 attacaagct aaatcaacat aagcataaca caatatgaga caatatcgaa aaggacctgg 120
 ttacagcgtg tctcggtact gtacaagaca tggctatcga gagcagactc acaagcaagt 180
 tcaagtgaa acttagttta gctacagtac atacatgata caaatgagc tatctataaa 240
 catactagaa ttatgactgc agctcttttg aacaggacta gcagaattat gctgatttgc 300
 aaaccc 306

<210> 11746
 <211> 568
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220133a12a1

<400> 11746

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 gcgtccaagt ggaattggcc cctaatttcg agatgggtgt ctctaataga actcctgaat 180
 tccttaaaat gaatcccata ggaaagggtc ctgtcttgga aacgcccgat ggtccagtct 240
 ttgagagcaa tgccattgct cgttacgttg ctogactcaa gggtgacaac gctttgttct 300
 catcttctgc cattgataat gccacattg accagtggat tgacttttca tccttgagaga 360
 tcgatgctaa tattatgaaa ttatacctac caagacttgg atttgcccca taccttcctc 420
 cagttgagga gggtgcaaat tctgcattga agagagcatt tgaggccttg aacactcatc 480

ttgcttccaa tacatacctg gttggccatt ctgttacct tgctgatatc ataacgacgt 540
gcaacttgta tttaggattc agccagct 568

<210> 11747
<211> 290
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220133a12d1

<400> 11747

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ggccccacg cgggaaaaaa gaatggcac ccgaggggtg actacaaaag aagaccaggg 180
gggctcaaaa agaagccctt aagaaagagg gaagcgaagg gaccgataga aggccagaa 240
aaagtgagga atgcgaaagc tggcaaaaaa gctggggcca cggccgaaaa 290

<210> 11748
<211> 386
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220133b02d1

<400> 11748

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gcgcgatgtt gctcccggtc cattgataac ggactttgta atggtcgaag gtccatgctt 120
attacaaggt gaaaaaccca ctgaacataa agggttcctt tgcattgatc cattgccgaa 180
ttctgaataa acaggaccat ggggtcttca accatagatc cataactctac tgaaaatcac 240
acctaaaatt ttgtcacagc actaatttta ctggaagttt tagccttttc attgggggtcc 300
tcctgtgcaa cttgaaaggg ccaaatacatt actgccgatg aagctagaaa attttgtttt 360
caaatttggt ttaactcacc tttaac 386

<210> 11749
<211> 490
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220133b03d1

<400> 11749

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tgtgtgacac taatctttct tattggcctg cccaaactca aaaacattta tggtcaccaa 180
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gatatcccat tttcataaaa aacggggggg tctttacatg gctgggttgc cacatctaatt 300
ttttgcacat attccttcat tccatgacat ccctgatgat actttacttc cacacaactt 360
tgacttacc ttccaaaaga gtaccaaagt cctccttac tttaagccct aaaaaaatg 420
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<210> 11750

<211> 494

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220133b04d1

<400> 11750

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gccaaactg agcctagggg tgatattaaa tgcaaccaga cttgattacc aatcattaac 180
cgagctgact cctcaatatt atgctatgca caattaacac atgggtgccg ccactaatca 240
ggtgattaac atgacattat tttaatgtgt gtttttgcac atgatcaatc tgtttacttg 300
aacagaaatc gtactgctaa ggccatattg gaccttggtc actctgctga gaataactca 360
ttatgctatg atcatcttgc attcaagaca tttgggggtga atggatatgg aattgattcc 420
atggctagtt tttttctgga ttatggcttt acacaaaggg aagagttgag gtttccaatc 480
aaaatgttga gggc 494

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<210> 11751

<211> 452

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220133b05d1
 <400> 11751

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 cagtctcgct ctctcacttc ctttttttgc tggatcagag agtacatatt tcaatttcca 180
 caacatagag aattttaacg tttagtcata acccatgaat gctatagcat gcaaactgat 240
 gaaaattcat tccgatattg tataaccac aattcattct gataagaaat ctcttctatt 300
 tagaggatgc acagctgcag caatgttcta ccgcagggtg aatttttttg caattagtgg 360
 ccggacatca tcaacaccaa ccaagctctt caagaacgga agtgataata gcagctcttg 420
 atctgaacga tcatcagacc aactctcgaa tg 452

<210> 11752
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220133b06d1
 <400> 11752

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 ttatcaatac tcaaccttac ccttccttta ccgaacattc aaattacaac tcccgaatta 180
 tccgcaaact gatctattaa caacagccta tctagactac ccggtgcaaa ttccccgcaa 240
 caaaactgca acgcgtgagc aagcacctg cgcaccttca aaacatacac tggtggggac 300
 tgtctacata ctactaaagc cttaacttac agaacagacc actcggcacg aattgtccca 360
 tttgtcgcag tgttaactgc aacacgaccc 390

<210> 11753
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220133b07d1

<400> 11753

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 caacttcac aaccaatgaa ttaaataatc ggtccacaac ctcagatccg aggtcagaag 180
 catcaaccta atactctaac catcttgtat ataggcagct catgtccttg accacaagct 240
 catctaccat agagtctccc attccactcc aatctgagat ctccttgac acatctgacg 300
 acaaccatgc ttggctttgc accatctcaa accctcggat ccacatttaa gatcctagcc 360
 ctacataacg cctgcatgtc aaatgcagac attcactcac a 401

<210> 11754

<211> 135

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220133b08d1

<400> 11754

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 ttctggaagt attgatgttt tgatgccacc acaagagaga cctccacca gatactattg 120
 ggtgcaggac caaag 135

<210> 11755

<211> 540

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220133b09a1

<400> 11755

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 ctcccaacat gaatcctaata agtctcatc ggacttcccg aaaccgtaag aagcggcccg 180
 atccaagccc acaaggcggt gtcagcccag cccgggtcac attatccccc aaacccaag 240
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aacttttgac ccaaacgacg ccggatccac cgccgcagac ggaaatcgtc gatcagaagt 360
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 atgcaggcta ttcgatgttg gtgatgtctc cacctcctag ctccgttccg ttaccggctt 480
 tcatacctaa gaagattgcg gttgttagtg acgccacgag cgactngcgg aaaatgttac 540

<210> 11756
 <211> 418
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220133b09d1

<400> 11756

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 cgtccttaac cctaccgttt ctggaatgcc ctacccatct gaccagttcc agaccataat 120
 cgctaactct cgcgacatga accctaactct gtctcatcgg agtccccgaa tccggatgat 180
 gacgaaccgg cccatgtcca ctaagcgctg tcagcgcac cgcgcgtct tcatacgctt 240
 atcccttagt cctaatactg cggtcgccac agctctgaat gggtcaggtc caaagactaa 300
 tccgcggggt accttgacg cacgggacgc cggatccagc gccgaacact gagagcctcg 360
 ctctggagac aagtccgtag acgggaaccg acgagagaaa agactgcact tcaatggc 418

<210> 11757
 <211> 590
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220133b10a1

<400> 11757

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 accctcacga ttttctcagg aaaaacccat ctaaccagta ccagaccata atccctcact 120
 ctcccaacat gaatcctaata aagtctcatc ggacttcccc aaaccgtaag aagcggccccg 180
 atccaagccc acaaggcggtt gtcagcccag cccggctcac attatccccg aaaccccaag 240
 tcaaaaacaa gccgcagcag caactcgtca tgggtcaggt caaaatactc aaacgcggcc 300
 aacttttgac ccaaacgacg ccggatccac cgccgcagac ggaaatcgtc gatcagaagt 360

taactccgca gacggaaacc gtcgaaaaaa aggacttaac ttcaatcgta gatggtttat 420
 atgcaggcta ttcgatgttg gtgatgtctc cacctcctag ctccgttccg ttaccggctn 480
 tcatcactaa gaagattgcg gttgttagtg acgccacgag cgactngcgg aaaatgttac 540
 ggcttgattt tcctaatacc tgtggcggnr tgtgaatgaa cgaggatttg 590

<210> 11758
 <211> 585
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220133b11a1

<400> 11758

ttctgcttct gcgtctttaa tctaagcaaa acgacaacgt gtcattactt gcaacgcgaa 60
 tccccaaatg caaacataat tcattttacat ctttctttct tctttctgca aataacttcca 120
 tttcctgatt tcctcaaaac aacaacacgt ttaattttca tctccttcc tttctatcct 180
 attcctctcc ctattattat tattgttaca tctttttctt cttcctctga taaaaagaca 240
 ccatgagagg acaggaagat cagcaatcta gggttttctg tgagctctcg gctctggctt 300
 tcaaccttct ccggtcaccg tcgatcgtgc cggagcctcc ggcgaggcgt tcgccggcgg 360
 gggcgagat tactccggcg gggttcgcgt cgctactgct agggatttcg gtggcgctga 420
 tgctgtgtgg atcggtgact ttcttcatcg ggttcatgct gatgccgtgg gttctcggat 480
 tggttatggg gttttacgtc gctggcgctg tttcctctct ctccgttctc gggcgttcta 540
 ttctctgtta cgctacgcca cgtaaggatc ntctggcta aatgg 585

<210> 11759
 <211> 293
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220133b11d1

<400> 11759

attgaatc tgaagcctaa tattcaaatt ttacttaagt tatagttaag acaattacag 60
 catttgctat caacagactg ttgctgggta caagtcctca attcttgagg ctaggctatt 120

tgtaaataac aagagaagcc atatccacaa aagcctgata tacatgactc ctgcttctag 180
 tgtgataagn tgagcaatct tcatagttct atgggcagca tgagcaggct ggcacagaac 240
 cagtatagta ctgggtcaatg cgatcattga tctctcgata taagtctcca ctc 293

<210> 11760
 <211> 599
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220133b12a1

 <400> 11760

ttctgcttct gcgtctttaa tctaagcaaa acgacaacgt gtcattactt gcaacgcgaa 60
 tccccaaatg caaacataat tcattttacat ctttctttct tctttctgca aatacttcca 120
 tttcctgatt tcttcaaaac aacaacacgt ttaattttca tctccttctt tttctatcct 180
 attcctctcc ctattattat tattgttaca tctttttctt cttcctctga taaaagaca 240
 ccatgagagg acaggaagat cagcaatcta gggttttctg tgagctctcg gctctggctc 300
 tcaaccttct ccggtcaccg tcgatcgtgc cggagcctcc ggcgaggcgt tcgccggcgg 360
 gggcgcagat tactccggcg gggttcgcgt cgctactgct agggatttct gtggcgctga 420
 tgctgtgtgg atcgggtgact ttcttcatcg ggttcatgct gatgccgtgg gttctcggat 480
 tggttatggt gttttacgtc gctggcgctg tttcctctct ctcngttct cggcgttcta 540
 ttctctgtta cgctacgcca cgtaaggatc tccttggtta aattgggcaa atctaccgt 599

<210> 11761
 <211> 291
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220133b12d1

 <400> 11761

tgcccttttt gttttttttt aaagaatatc agaagcctaa aatccaaatt ttacttacgt 60
 tatagttaag acaattccag catttgacat caacagacag ttgctgggtt catgtcctca 120
 attcttggtg ctggctatct gtaaataaca agagaagcca tatccacaaa agcctgatat 180

acatgactcc tgcttctaga gtgataagtt gagcaatctt catcgttcta tgggcagcat 240
gagcaggctg ggcgagaacc ggtgttgtag tggccaatgc gatcattgat c 291

<210> 11762
<211> 476
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220133c01d1

<400> 11762

atgcgatgta ctgactcccg atagacgaac accgacgtta aatgtttccc gactctacct 60
gctactaggt ctcgggcgcc ctcttttttt tttttttatt tttttggcga caaaagcaca 120
gaatttaacc aaggggcggg gacaagatca attaagaact tatcctgaat gctgctttaa 180
tttcaaaata aaaaaaatgt tttctcagga gtaagaaatg caacaatttt tgaattgcat 240
tactgatgag cctcattcaa taatgctata accgatactt cgtatataac actattcata 300
aattattggt caccaatata atcaatggct acttttcaaa tgcaacaagt tcctcaccta 360
cctcatgaat caggatcacc atgggacagt tcttagcgag cacgcccact gacagcaacg 420
tgtgacccca tgcaagttat agtcattccc aaaagatatt gtatgcaccc caattg 476

<210> 11763
<211> 430
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220133c02d1

<400> 11763

aaggggtgga tccgatgtcc gctgacgaaa caccgacctt aaatacttcc cgctcgacc 60
agctcactag tactcggcct ccctttcttt tttttttcat ttttttttta ttatacaaac 120
aaaacctgat tttctgcgaa cattaaatgt ctatagccaa ctataaaaaa aatgtaaacc 180
atttattcat gcttaacaca aaactgacca aaaataagge tctcaaattcc aagattcttc 240
cctacttggg ccattcaaaa tctacettac acccaaataa catttttttt acttgcccag 300
tcattaaacc ccattcgaca tgaactttca ctcccatca taaaaattat cctccgccaa 360
atagatagtt gccaccctg caaccaactt aacctttctt ttctaataaa tcaacttctt 420

aatggagtag

430

<210> 11764
<211> 371
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220133c03d1

<400> 11764

tccctttttt tttttttttt ttttttttta tttttatttc ttatcttttt tttttggccg 60
ggcggaacc tataataaca tttatataat attttttgat tcctcttact taaaccactt 120
aatactactt cttccaacca gaaaaaatcc cccatttatt gccttttaaaa aaccacaatg 180
aaaaaggtcc gaaaataaat tatctaaatc tctttctcat atcccacaaa cttcatgatg 240
accctctaac catcccggtg tctccaacgc actaaatcca ttttaatacat gttttccccc 300
tcactaaata tcatccatca tgcttacaac acaccctctc ctttaataaaa tcttcctaca 360
ctttttattc c 371

<210> 11765
<211> 447
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220133c04d1

<400> 11765

atctattatc attccaattc attttattga ggtagtgata ttatattcaa atgaaataaa 60
aagatattaa aagatactaa ttataagaat ttgaaagtga aattataaag ttattaaatg 120
attaagcaat ttttttctac ctgtacctgt aaaaaaaaga gtcccatttg ttcttgaata 180
gcttccttca aaaggacttc tgcttcccca gggaatgtct aggaagaaga tatgatttct 240
ttgaattgag gttttattcg gtataagtaa gcacgtaact caacaagaaa tttccttacc 300
tgtccaatth ctaatgaatc aagataacca ttcattccat tataaatagt tattatatgt 360
tcttcacgc gaagacgagc tgattgggat tgtttaagca actcgagcaa acgttgacct 420
tttgctaatt gattttgagt cgcttta 447

<210> 11766

<211> 237
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220133c05d1

 <400> 11766

 atgcccttgt tttgtttttt tcatgaagga agatttttct tatgactagt tgtagtgaac 60
 acagtcaacg gaaatagtct ggaatataaa acagacaagt gtatagcata ggcaaatcta 120
 caggagagac cttggagata caaacgagca tagcgtaa at gcacatggca gacctttgat 180
 tcagatcatg agagatgaac aaaagcattc aaaggcccat tggttttccc gacgaac 237

<210> 11767
 <211> 377
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220133c06d1

 <400> 11767

 catgtgatag ctggctnctg natacagcga gctaataatt acagggtcga cgatgctcac 60
 taggcggagg gctgcgcttt tttagtcttt ttttttgta aaggatatta ttccataaat 120
 cagtctatta taaagcttca agtcttaa at catgtggtga cagtatatat gtgcggttgt 180
 acaccagata ccgaaactga gcccaatagc tatctggcac attaaagcca ttctcaaact 240
 tctaaaaggc ctataaccg gtccagggt tcttaaacca gaatgaatct gaaagcactc 300
 agtaacgggt aatacccagt tcttgacagt gcatgctctc atgccaaggc ccaattattc 360
 acagatcgtc actagct 377

<210> 11768
 <211> 257
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220133c07d1

 <400> 11768

 aggccatgcc ctgtgatctt cgcttttttt tttttttttt ttttcttct tctttagatt 60
 aatttgtaa cttgggctat tgcaaggaga ataccccgaa attaataatt tctatgttga 120

ggagtgcctag tgatctgtct atgcagaacc ctaatttagg ctataacgtc ttttcctctc 180
 atcagctaca ggtgatgggg gtgttcggaa gagaaggcca aaaccatggg ggcatgcatc 240
 aaattgcaga taagcat 257

<210> 11769
 <211> 229
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220133c08d1
 <400> 11769

tgccctttgg tttttttctt tgtttttttt ttttcttttc tttgtttttt ggtttgtcat 60
 ttgttattgg gaaaaactta tgttccctaa ctgtgcgttg ccgagggatt ccagcatgtt 120
 gtttgttatt ggatggggtt tgaatttgca ccgactggaa ccctgaggcc ggggagtagc 180
 caacgatagc tcctcaactg gtcacttggt ccttcctttg atgcaattc 229

<210> 11770
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220133c09d1
 <400> 11770

tttttgtttt ttgttctttc gcttcacagg catcaatttg gtgtaaaatt caattatttc 60
 cacatttggt caagatctca aggcgataaa agtcatcaat attgtacact taacagcaac 120
 tcaaacattg tcagatgaaa aaaaaaactg atgtaacaat cgcgtatgca tacagatctt 180
 gaaaagtcac gcgctgggtc ttgtatttat cattgcccac tgagacggat atggccgcag 240
 gctaggatct catggaaaat ttgaacgata aaggctttca gagctgaggc tctcttgcac 300
 ctcagtctcc catgggtccc cattttcaag cagcttgtcc tggatcatata aaagctgct 359

<210> 11771
 <211> 546
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220133c11a1

<400> 11771
 gaaagaacaa accaagtcca aggaagggac tgatgcaaca aagcaaaggc aatccccgga 60
 gcaggcaagg aggaaaaaga tgtcaagagc tcaagatgga atactgaagt acatgctgaa 120
 aatgatggag gtttgcagg cacaaggggt tgtttatggg ataattcctg agaaggggaa 180
 gccagtgact ggagcatcaa acaatcttcg tgaatggtgg aaggacaagg tcaggttcta 240
 tcgaaatggt cctgctgcca tagtgaaata tcaagctgat aatgcaatcc ctggaaagaa 300
 tgatggatgc aattccattg gtccaactcc acacaccttg caagagttac aggatacaac 360
 cttgggttct ctcttgtcag cacttatgca gcactgtgat cccctcaga ggagattccc 420
 attagagaag ggtgttcctc caccatggtg gccaaactggg aatgaagaat ggtggcctca 480
 aattggtcta cctaaagatc aaagccctcc atcttacaag aaaccacatg acctaaagaa 540
 ggcattg 546

<210> 11772
 <211> 325
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220133c11d1

<400> 11772
 ctttgatagt acgatnctga tgatgatcgc tccagagatc gattcctgcg cccacgatgc 60
 tcactagtgc tggggctccc gtgtttgttt tttcttatta cagagtttgg actgttgctt 120
 catgtcacag gcgttcttat gtgctggcaa ggagcaacat gaggctaaca gctaaagaca 180
 gacttctgaa gggcttgctg atggtaacac ccgtgagcta ggcacccagg attgagtacc 240
 acctgaccag tgctgccgag acatcaatgt ctgtagcgtc ctacacgatt acatagtagg 300
 agaagggcat gaactggctt tagag 325

<210> 11773
 <211> 598
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220133c12a1

<400> 11773

gcaccgctaa acaaaacata aacctttgct aagaaagttt cttccttttt tctcttctgc 60
 tgtttgaatg tgaagacgca gcacagtgat gaagtgaagt gctgcatcaa cctcaatgat 120
 ctcagttttg gaccttttgg tttggctcaa aaggttgaat ttcaaagaaa ttcttggttg 180
 atggttgatg ctatgtctca tcagtgtgtt ctataagaag ttgggggttt gccatcgcta 240
 tgtatgtagc tagtcattgc atttgagaac tgttggggat cttctccaac attgtagaag 300
 gttgagaaga cattagttgg tgggcatggg tttgtgttcg agggatttga gctttggatg 360
 cagattgaag agggctaact gttaaatcca taactcccat caagggtttt gctttgtgtg 420
 tttgtggaaa tagcataccc tttgagctgc tctgtctatt ttcttctggg gtcttgttct 480
 attttctgga aggttgcttc attggaccct tgtttgatct tcaacaatgt cagagaagat 540
 catggttcac tcaaggggta tattttgtgt gatgataatt ctatgttcct tttgagct 598

<210> 11774

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220133c12d1

<400> 11774

gctgcgcgtg caccgttttt cttaactttg actttcgcta tgattgttat ttgatttttt 60
 ctattctgat gtatgcatgt gttgacgctg gactgagagg atgtgcagcg ctgaatctac 120
 ctgtatgttc caagcaatgg acctgctggg agggcttcct aggatgcata tgccaggaag 180
 aggacattga tggaggttgg cttggacatt aagagagatc tactagaagt 230

<210> 11775

<211> 428

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220133d01d1

<400> 11775

cttccccgtg aaagagcaag ccaagtttac attccaggga cagggttttt tcttcgttca 60
 attttaacaa caaatggcac cacaaaataa aacttaaggc attaattgatg tttatggata 120

aaccttcttt ttagtgctc cagaggtcag cataaaacgc aaagcaacca gtctggcacg 180
 tgcattggca ttacatggt tgaagcggtc aaggccatta ccttacattg ttcattcaat 240
 gcaagaagtt gagcctcttt ctgtcaagc agtgcattca acctgacatt ctctccata 300
 agtttgtgaa cttcagcctc tttctgcatt ttctcaccct ctaattgagt agtctttgca 360
 actagctttt caaacagcct ctcaatagtt tgaaattgct tatctgaata aagcaagggt 420
 tctcttac 428

<210> 11776
 <211> 355
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220133d02d1
 <400> 11776

tttctttttt ttttctttc tcttgaaaga gcaaaccaag tccacattcc cggcgcaggt 60
 ttctttcttc ttacaattta aacaacatat ggcaccatt aataaaactt aaagcctgaa 120
 ttatcgccat gtcctacccc catttccaat accttccaa gtattaataa aactcaaac 180
 acccagtcgg gcacaagcat tgactttacc atggcagaag tgggcccggc ccctacctga 240
 ccttgctcat tcaatgttaa aaaattacc cctatctatt gataagggtgc atgcagccaa 300
 acattttatc cctcaacttc tgaaattcag cctctttatg gatgtcctca ccctc 355

<210> 11777
 <211> 342
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220133d03d1
 <400> 11777

acagagcaac cacaactttt tattgtacgg cggaaggca ttttttttaa aaatcaagaa 60
 agtggtaaaa cgaatttgat ttattttgat gatgaataaa ccacaaggag aaaagaaaaa 120
 taggtgtgag gtctcagcgc ctgcactcaa caggaatgcc ttgtgggaat cgcttaagat 180
 cgttgcagta gttatagatc atgaagtact tatgaacca tctcagtttt tttctgcat 240
 aggcataaag ctggttgctc tgccattcag catcaaataa ggaattgtcg gaaaactctg 300

tggttttgaa attgcggtag taggctgtaa aggggtgcctt gg

342

<210> 11778
<211> 435
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220133d04d1

<400> 11778

tcctatagta tttttttttt acacagcaac cacaactttt tattgtccgg ccagaagggg 60
tattccttaa aaatcatgag cagtgggtaca acgaacagga ttgtatatag aacctaaata 120
aaccacaagg cgaagagaaa aataggtctg aggtctcagc gcctgcactc aacaggagtg 180
ccttgtggga atcgcttaag atcgtagtgc gtagatatag agcatgaagt ccttatgaac 240
ccatctcagg ttttttctgc cataggcata aagctcgttg ctttgccacg cagactccaa 300
gaaggaatgt tcgcacaagc tctgggggtat aaaaatgcgg tagtgaggat gtaaaggggtg 360
ccttggacca atcagctttg accaaaccac ctgtggcggc ccagtcatta ccgtttcaca 420
ggctagaata gaatc 435

<210> 11779
<211> 165
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220133d05d1

<400> 11779

tattgtgttt ttttttttatt ttttttggtt attttttatt gagtgttttt tttatttacg 60
ttttggatta ttatttttat acaatttatt taatatttta aagattaatc taattgtata 120
ataaagcata ggggcaaaca cccagtatc tggagcggta caaaa 165

<210> 11780
<211> 306
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220133d06d1

<400> 11780

ttttgtgttt tttttttatt ttttttggtt attttttatt gagtggttaa ttgaattact 60
 tttttaatta ttaattatat acatattatt taatatttta aagattaatt ttatagtata 120
 ataaagcata aaggcattca ctctagtatc tgcagcggta cattattcca ccaaaaaata 180
 agggggggcaa ctaaaaacat acataggaag tatatataat tatttcttta taaaatattt 240
 ttaaaaacta agagtatgat ataaaatgaa aatatgatat tcttctactt ttaaaacttt 300
 ttttaa 306

<210> 11781
 <211> 195
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220133d07d1

<400> 11781

aaaaagttac aagttagggt ttcattcaatt caaatattcg tttacaacg atcttcaact 60
 tttttccggc gggcacaatc aaaaggattg ccgctactgt ttgatatgcc gaaggggaaa 120
 caaacttgag tactgcctgg aaaactgacc ttcacaattg tacgggaaaa ccttcgagaa 180
 tcaatatgcc tcaact 195

<210> 11782
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220133d08d1

<400> 11782

caccaattca aattttcggt tgaaaacgat cttcaaccgt tttccggggg gcactatcaa 60
 aaggatcgcc tctagtgttc gatatgcccc aggggaacca accttgagtt ctgcctttaa 120
 atctgccctt gtcacttatt caggaaaacc ttccaggagc aatatgcctc actgaaagga 180
 tctgctacct tgagggcccc caaagtctta gccgttcatt cgtcaacctt acatcccttc 240
 acgctcccaa acatcgccc 259

<210> 11783
 <211> 558
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220133d09a1

<400> 11783

gagaaaagtc caggtgaaac agagagttct ggttcaattt catctctttc agaaagattc 60
 tctgatgaac aggtatatcc aacccaagct ggtttttctc ctgaagtcac gtctaaggct 120
 gcaccgaatg aagaagttag tcccccaaaa aaaagtaaag aagaagatac agatgtgaaa 180
 attattacag acaaattagc tactgctctg ctgacaatta gtgcaaaaga agacttagta 240
 aagcagcatt ctaaagttgc agaagaagct gtctcaggct gggagaaggc tgaaaatgaa 300
 gtgtcatctt taaaacaaaa gcttgatgct gaaaggaaga agaactcaat tctcgaagac 360
 cgagttggtc atcttgatgg ggcactcaaa gagtgtatga ggcagcttcg acaagctaga 420
 gaagtgcaag agcaaaagat tgttgaggct gttgtgaata gttctcgtga ctgggaatcc 480
 aaaaaatctg aacttgagag gaaagttgct gaacttgagg ctcaacttca acagttaaag 540
 cagatgctgc tgcacaa 558

<210> 11784

<211> 549

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220133d10a1

<400> 11784

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 gtcagtgttt catagatatg taagaacctg gttgcactac acgaacatga gtgaattgca 120
 aaagaagtct ctctaggcgt ttcagtgaag actggtggct tacagttaat ttgtaagagc 180
 tggttatgag ttttgtaaatt ttatttttgc tcatggactg atttaaatgca ctgtttaatt 240
 catttagcat cacctcaagc actgtgattc tctgcatctg cactcaattt cttctttgtg 300
 ttggacagga acccctcact aaaatttcag aaactagaaa tgaagacatt agggatgata 360
 aatttattag tcttgcaatt gatgcacaag atgatgtctc tctaatcgt tcaagttctg 420
 agactcgaga tggaaagcat gctcaagctc gtacagatgg tgtgggcaat gggtatttgg 480
 atcctaaatc ttccaaaggg gataagtggc agaattggga acttgacat tntaaaggta 540

atgagaaac

549

<210> 11785
<211> 122
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220133d10d1

<400> 11785

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ta 122

<210> 11786
<211> 543
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220133d11a1

<400> 11786

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tatgcgaaag aatgtgttgg atatcaacag cattaccagt gttaagggtg tcatcggaac 120
cggcattaac atcattggag gagtcgtcga caccgttact gctttggcgt cccacatctc 180
catccagctc attagtgcc ccaaggctga tggacatggg aaaggaaaag ttggaaaggc 240
tacaaattta agaggacaag tgtcgttacc aaccttgga gctggcgaag atgcatacga 300
tgttcatttt gaatgggaca gtgacttcgg aattcccggg gcattttaca ttaagaactt 360
catgcaagtt gagttctatc tcaagtctct aactctcgaa gacattccaa accacggaac 420
cattcacttc gtatgcaact cctgggttta caactcaaaa tctaccatt ctgacgcat 480
tttctttgcc aacaatacat atcttccaag cgagacaccg gctccacttg tcaagtacag 540
aga 543

<210> 11787
<211> 204
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220133d11d1

<400> 11787

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aggagacacg agaacattca agtgcccaa atacataact taaccatata tagggatgatg 120
acggaacat attccttata ttcactttga tcgaaaacca gggaaaaggc tggagcaacc 180
atagagcccc taaatggaga tact 204

<210> 11788

<211> 533

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220133d12a1

<400> 11788

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gcaggcaagg aggaaaaaga tgtcaagagc tcaagatgga atactgaagt acatgctgaa 120
aatgatggag gtttgcaagg cacaagggtt tgtttatggg ataattcctg agaaggggaa 180
gccagtgact ggagcatcag acaatcttcg tgaatggtgg aaggacaagg tcaggttcga 240
tcgaaatggt cctgctgcc tagtgaagta tcaagctgat aatgcaatcc ctggaaagaa 300
tgatggatgc aattccattg gtccaactcc acacaccttg caagagttac aggatacaac 360
cttgggttct ctcttgctcag cacttatgca gcaactgtgat cccctcaga ggagattccc 420
attagagaag ggtgttcctc caccatggtg gccaaactggg aatgaagaat ggtggcctca 480
aattggtcta cctaaagatc aaagccctcc accttacaag ataccacatg acc 533

<210> 11789

<211> 296

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220133d12d1

<400> 11789

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acatagggct aacacataaa gacacacatt aaaagggcta catgatggga acacccatga 120
 tttatgaacc cataatatag taccacctga ccagagctgc cgaagcataa aagtatgtaa 180
 cgacctaaac gattacatgg gaagaaaaat gcattaactg gcttttagagt caagggactg 240
 tcacatagtg cgttttaaag acacaataaa agcccttgat acacgagtat gccctc 296

<210> 11790
 <211> 538
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220133e01d1

<400> 11790

agggctgcat tgatgccgct ggcaaaccg accgaatatt tcccgctcc accagctcac 60
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 tacatggagg ggggggccct tatttgataa aaaaaactgt tttctcacag atatggattg 180
 gagttagaaa catgagtacg ttgggtttgt aaatgtatcc atgactgctt tattacaaac 240
 atgtttattg gagtgacctg tctactagaa acaacatgg ggagggatga gctttcctgg 300
 attcacgata tcgttgagat ctaagactgc ttttattttt tttattggcc tcaatgctac 360
 cacttcgatg tcttcttgag aatgctcaat tggtgcagtt acaacaccat gtttaccggt 420
 acaagtaact tctaatagaca aagcggcatg aaccataaac tgggcgagtg tctctgaetc 480
 ccaccgttgt tctatttggt taggatcaaa tgaaataacc gtgtggaagt taccatta 538

<210> 11791
 <211> 390
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220133e02d1

<400> 11791

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 aagaatcaag atgaccaata ctacatttgt gtagcttaac ataaaccact tgatcaatga 120
 aagaaagatt agattggctt cattatgtaa caagttgcac aaaaatgtga ttagtgtctg 180
 attcttaatt atctatggct aaaaaggcaa gtgtctggat caacactagt cggttttgaa 240

ttaagaagtg ggtgaagagc tttgacaaca atacgcatgt ttggcctaaa gacagcttga 300
tatgggtacac aaagtgctgc aactgctgct aacttagcaa tagccttgag tgggtatcca 360
ttgtatactt ggagatccac acattgggtc 390

<210> 11792
<211> 447
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220133e03d1

<400> 11792

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tatattcggt ctttttggtt taccacaaaa aacacttttt aatgggaaaa atttaaagat 120
ctggctccca aagtcaccga cccaaaaaat tttgatggcc tggggctgat attctatttc 180
tttcgggtcc atagggctcc taacatgttt ttcttcttcc tgtgaggcac cgacaccatg 240
gcaggacatc aatagcggaa ttctaaggct ccctgtgagc ggggggatct ggcccaaagc 300
catcttcatt ttgggaatat agagccagag ggcctgaga aaaaattttc cccttaaaga 360
tggggttgtc ggggggcgcc cctcgaaacc ctgttaggga ttttcccttg ccctccccct 420
cttttgaaaa atggcggtcc acatccc 447

<210> 11793
<211> 447
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220133e04d1

<400> 11793

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ttatttgttt ttattgttat accccaaaca acatttttta tgaggaaaaa gttatagatt 120
aggttccctt agacaacgac acacaatgtt ttaattgcct tgggactggg ccttccctctt 180
ctgctgctcc tgaggattcc taaatagtta tactacacct tggacacaaac ctccacttgt 240
gcaggatata aatgtgaaa tccatattca ccaaataact ggtgggataa ttcttcaacc 300
aatattatatt ttagaaaatc gagccaagga gtgcctctat gaatttttca aacttaaaaa 360

tggtttttttt ggggggctcc ccttaaaacc ctgtagggat ttttcccttt tttccccctt 420

ttttgaaaaa aaacggggtc caacccc 447

<210> 11794
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220133e05d1

<400> 11794

tgccctttct ttttttttgt tttaatcaga cagcttgggt tctcatgtcg aggttgaacg 60

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tacaacaaca gagccatatt tataatgcgc atacataggt gacttcgagt acacaaaaaa 180

gggtgacttc taaaaatgac aatatttcag cacagtgcac atgaattcga gggc 234

<210> 11795
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220133e06d1

<400> 11795

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actatgtcgg aggcctgccc tttttttttt tttttttttt aaaaccatat tgcataatag 120

agatcaattc ataaatttgt attcagcaag caatttatgg atacaaatga cggctccgat 180

taaatttaat gttactaagc aaacatggga aaattgttgc agagagagtc ttccacgaga 240

taagagatac gcaagtcgat acgtatcata aaagattaca gatgaaaagg aacagactct 300

gctcaactat atcctatgag ctgctgttgg tgatgagctg ggtaaccagg atatcccga 360

taactgccat acatgtcagg atcctgtcca gcaggagctt aaccataatt gaaatattcct 420

agagcagcat acccataaga tccaccacca gaaccagcac c 461

<210> 11796
<211> 347
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220133e07d1

<400> 11796

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 ggatgcttcc tttcaacaaa cggtcgatga tgattacagg gaatgggaaa gagaattaaa 120
 aagacacaca ctaggatgat gatcagcttt tgagggaagg gggttgttta cctagctgat 180
 aagggctccg tcttttcgtt tacgggcagg tgttgaagct ccggctctgt tgatgggcat 240
 gctcatggga ttcattgtgca tgtggaattc ctctgtcagc cctggattag gagtcagcct 300
 ggctgttccc taggaagtgc caggagacca gcttcaagag actcacc 347

<210> 11797

<211> 552

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220133e08a1

<400> 11797

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 gcttccctct tgcttatttc atttttcttt tctaaacatt gaaggatttg aattgtcaaa 180
 ttacttactc accctgcttg acaattgaac aaggtttgct ggctggcctt attcaacttt 240
 gcctcaattt tccaaatggt tccatttcca ttcaattttt tctttggaaa atgaggaagc 300
 caaaaatag gggttccgta tcttcaaatt gattacttca aaggaaaaaa aagagaaagt 360
 aaaggtcttt ctggataaaa tcaaaatgcc atattcatat tatgatattg ggaccagctc 420
 tcactaacat gcgccgcagc actcattgcg ttcacatgcg aatcttcaat ttcggatttt 480
 catttcataa attatgtaaa ttagtaataa taataaaaag acgcgtcttt tacctttttg 540
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<210> 11798

<211> 138

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220133e08d1

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 tcctaatacg aaagaataga tgatgaacgt cacagcgaaa caccacaacca cttataaaaa 240
 accgtcgaga cctgcatgac gcgagtcgga caccatcgtg tgataccatg ctttgccagc 300
 agccttgatg agcaacgctt tctgcttaga gacagtctt 339

<210> 11801
 <211> 601
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220133e10a1

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 gcacggcaag gtgtacaacg cgctcggaga gaaggagaag aggttccaga tcttcaagga 180
 caacctgcga ttcacgcagc accacaactc ccaagaggac cgaacctaca agctcggact 240
 gaaccgggttc gcggatctca ccaacgagga gtacagggcc aagtacttgg gaaccaagat 300
 cgatcccaac cggaggctcg gcaagacccc gagcaaccga tacgcgccac gtgtcggcga 360
 caaactacct gaatcgggtt attggaggaa ggaagggtgt gttcctccag tcaaagacca 420
 aggaggctgt gggagctgtt gggcattctc agcaatcggg gcagtgggaag gaataaataa 480
 gatagtgaca ggtgaactga tttcgttatc agaacaagaa ttggtggatt gtgatacagg 540
 atataacgaa ggatgncatg gagggactat ggactatgca tttgagttca ttatcaacaa 600
 t 601

<210> 11802
 <211> 138
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220133e10d1

<400> 11802
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 atttgaatac aactaccgag catcactaat ataaccatat gatcacagtc tacatgcgac 120

tgatattaga taccgaat

138

<210> 11803
 <211> 560
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220133e11a1
 <400> 11803

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 ttacgtgctt tctctaacta ctgttttcca cacttaacga accagaacac agtgagaaaag 180
 acataatggc ggtggagtac acatgctgct caacggcctt ctctggtcac atactgggtca 240
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 ctgagaagat attaccagtt gtcaaaaacc aacatttatt gctatgtact ctgctaattt 420
 gcaatgctgc agccatggag acacttcta ttttcttga tggccttggt actgcatggg 480
 gcgctatcct aatttctgtg acattaattc ttttgtttg tgagattata cccaatcag 540
 tttgttctcg gtatggtttg 560

<210> 11804
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220133e11d1
 <400> 11804

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 cacagcacia ctcacatctc tatacagcag atagcaaccc tgaaccgcag tatgtattga 180
 actcttgcta gaggtccaaa catgaaatat gaccttgga ggatcgatgg aaaaagcca 240
 ctggcatgag tcttga 256

<210> 11805
 <211> 551
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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<400> 11805

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ccttatgcct ctcttaaacc ttgtcctcaa actagctcat tcccttccaa actgttcatt  180
ctctttcatt ggcacacaca aatccaatgc aatccttttc ccaaaacccc acatcccaaa  240
taacatcaag gcctatagca taagtgatgg aatcccagag ggtcacgtcc taggcaaaaa  300
cccaactgaa aaattgaatc tttttctcca aactggcctt gagaaccttc acaaaggtat  360
agaattagcg gaagcagaga caaagaagag agtcacatgc atcattgcag atgctttagt  420
aacctcttct ctcttagtgg ctacagacct caatgttcct tggattgcac tttggcttcc  480
caattcatgc tcactctctc tctatntcta cactgactng attcgccagc actgtgcaag  540
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<210> 11806
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220133e12d1

<400> 11806

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gttaactaca aacacaacta acgcgagtat ctattcatgg gatccatcat tttaatagct  180
ttgatataaa ataacccatg catacaaagt agcgctattg agttctagat atgacttgca  240
ccagagtgag gaaacctagt gttgcttgcc cttcaggcct acctgcatct tccacagnct  300
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[illegible]

<400>	11807
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<213>	Glycine max

<400> 11808

<210>	11809
<211>	154
<212>	DNA
<213>	Glycine max

<400> 11809

5406

<210> 11810
 <211> 119
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220133f06d1

<400> 11810

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gagttcccta gactctgttg ctttgcaaaa ggctcaccca cccgtgagcg ctgcccacc 119

<210> 11811
 <211> 341
 <212> DNA
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<223> Clone ID: jC-gmf102220133f07d1

<400> 11811

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gaaaaaact agacatgtca atggaacact aaagtcagat cactagagat ggaacttttg 180

caagcaaaaa gcagagaact gggggatatcc cttcaagctg ggcttgctat cctcatatgt 240

gagcccgaat caaactgggt aaccagcatg ccattcaaaa ctgtgcgaaa atgaccatgc 300

ataatagccc ttcaaattta caccttgctt gatcgcttga a 341

<210> 11812
 <211> 509
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220133f08a1

<400> 11812

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cctttttcct tccacttttc tctttggaat tggttcttct gcttaccagg cagaaggagc 180

agcaagtgtg gatgggagag gaccaagcat atgggacacc tacactagac agcatactga 240
 aaagatttgg gatcatagca ccggtgacat gggagctgat tttatcatc gatacaaggg 300
 tgacataaaa atagcgaaag aaattgggct ggactctttc agattctcta tctcatggtc 360
 aagaatatcc ccaaagggca agggagcagt taacccccctt ggggttaaatt tctacaacaa 420
 tgatcatgat gagatcctag canatgggtt aaaacctttt gtcactcttt ttcattggga 480
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<210> 11813
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220133f08d1
 <400> 11813

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 ctaaagtcag atcacttgag atggaacttt tgcaacaaaa cagctgagaa cttgggggtat 180
 ctcttcaagc tgggtcttgtt atccacatat atgagcccga atcaaactgg gtaaccagca 240
 tgccattcaa aactgtgcga aaaagaccat gcataatagc ctttcaaatt tacaccttgc 300
 ttgatcgctt gaagatagaa ttttaagatgg ccatcatggt atctaatoct tatactatcc 360
 ttgcgggctt catagactgg nattgagtca ttacttgatt gagccatgcc at 412

<210> 11814
 <211> 585
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220133f09a1
 <400> 11814

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 tttaatcaca aagaatactt ctacccttta acatactcac cttggatgga tggaatgggg 180
 attgtttcta atgtgtttat agggatgcct atttatatag attagatttt atccatcata 240

aaaataaaaa ctgattccat aatatcagga tgtaaataata ctttcaacaa ctttataatt 300
 aaaactgaaa tcgtgttaaat aacttggaat cgtgagaaaa attaggacca ctttcatttg 360
 atttcaaaat caaaactaac acttaaagga tacaatatgaa aaggaatttt gaatagaaat 420
 ataccatttt gaaatcaata cgacttacaa cgagacaccc aaggattttt aagcaatgct 480
 agaagaaata tcaaaagata cttttgtttc ccactaatta gttttaaact tacttgcata 540
 gtttatgatt aatactgtga ctatTTTTTtac tcatgtctac aggca 585

<210> 11815
 <211> 162
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220133f09d1
 <400> 11815

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 agtatattca ccataatcac tgagaaaagt actaggatac aa 162

<210> 11816
 <211> 565
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220133f10a1
 <400> 11816

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 tttaatcaca aagaatactt ctacccttta acatactcac cttggatgga tggaatgggg 180
 attgtttcta atgtgtttat agggatgcct atttatatag attagatttt atccatcata 240
 aaaataaaaa ctgattccat aatatcagga tgtaaataata ctttcaacaa ctttataatt 300
 aaaactgaaa tcgtgttaaat aacttggaat cgtgagaaaa attaggacca ctttcatttg 360
 atttcaaaat caaaactaac acttaaagga tacaatatgaa aaggaatttt gaatagaaat 420
 ataccatttt gaaatcaata cgacttacaa cgagacaccc agggattttt aagcaatgct 480

agaagaaata tcagaagata cttttgtttc ccactaatta gtttaaaact tacttgcata 540
gtttatgatt aatactgtga ctatt 565

<210> 11817
<211> 79
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220133f10d1

<400> 11817

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<210> 11818
<211> 560
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220133f11a1

<400> 11818

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ttttctcaaa gccaagctg atgaagccca taaaattgct cttgattcct atgtcccaga 180
gccccacgat gtcgcccattg aactcaattt ccatgttcat atggcactgg aaaactccac 240
aaggagggaa ctaaggcaga ggaaacttag aggaggaggc aaatgtcaag cctccaaccc 300
cattgacgct tgctggagat gcaataaaga ctgggccaat gaccgggttca ggctagccaa 360
gtgcgccaaa gggttcggaa gacggggccac cggcgggctc ggtgggtccca tctatgtcgt 420
cacgataat tccgatgacg acatggtgaa ccctaagccg ggaactatcc gtcacgctgt 480
cacccaaaaa ggccccttgt ggatcatctt tcgacacagc atgatcatca gttngaggca 540
agagctgatg atttcctccg 560

<210> 11819
<211> 554
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220133f12a1

<400> 11819

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 tttttctaaa gcccagctg atgaagccca taaaattgct cttgattcct atgtcccaga 180
 gccccacgat gtcgccccatg aactcaattt ccatgttcat atggcactgg aaaactccac 240
 aaggaggggaa ctaaggcaga ggaaacttag aggaggaggc aaatgtcaag cctccaaccc 300
 cattgacgct tgctggagat gcaataaaga ctgggccaat gaccgggttca ggctagccaa 360
 gtgcgggcaaa gggttcggaa gacggggccac cggcgggctc ggtgggtccca tctatgtcgt 420
 caccgataat tccgatgacg acatggtgaa ccctaagccg ggaactatcc gtcacgctgt 480
 cacccaaaaa ggccccttgt ggatcatctt cggacacagc atgatcatca gtttgaggca 540
 agagctgatg attt 554

<210> 11820

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220133f12d1

<400> 11820

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 aagaggagac tatgtaagcc caagctgaag ccgcccataa aaaaaagcta gattcctatg 180
 ggccatagcc ccacgatggt ttgaaccaac tcaacaaaca tgttcttatg gcaccggtaa 240
 actggcca 248

<210> 11821

<211> 359

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220133g01d1

<400> 11821

ctagccatta agaataccat tgatatctat cagaaagggg gcttgataaa ccagtttcta 60
 cttcctgcgc atgcttcttt tcctaagtca cgctctatgc atgaccgaca gaaaatttat 120
 acccgcacta aacgctattc atagataccc tggtgaaaat tgttccacac aaatttgcta 180
 ctgctttgct gactattagt gctagacacc actccatgaa gcactattct aaatgagcca 240
 aataagctgt ctcaagctcg catattgcct accatgatgt gctttcttta aaacaaaagc 300
 ttgatgctct aaggaagaag aactcacata tcgtggacgg gtgcccttat tccctgggc 359

<210> 11822

<211> 105

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220133g02d1

<400> 11822

gctgcgggcc gccacttttt ttctttttac tttttctttt ttacttgtct atccgcccc 60
 taattgtaaa agaggggtgag ggggtggcgat gttaccagag tacta 105

<210> 11823

<211> 449

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220133g03d1

<400> 11823

agggtgtgcg attccgctga cataccgacc ttaattattc ccggccgacg agctactagt 60
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 ttgggttttc gggacaaaga aagtgagca tcaggacgtt ttgaactgtg aaatgtggag 180
 gaaatgaaca aaaatggtta tggacttagg acattacca atgcactgtt cttacacaat 240
 ccgcatttcc agccgaatga gactcattcc ctactctgca cacaatctca aagaggcact 300
 tgcttatcct taatggttga catgacatgt cttcattgca acgttcctag cctgtccata 360
 cgcacacaag cattcaacac tgttgggtat gctgcccatt aaaaagctta tgcttctgca 420
 gttggacaca cttccaggat gtgcccctt 449

<210> 11824
 <211> 340
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220133g04d1

<400> 11824

tgtatattaa tatccttta ttatatttca ttttaataaa tgattatctt tgggattggg 60
 ataaacactc tacaatgtgg cgactacacc tcacttctac cttcagccac ccctcaagtc 120
 attaccgaca tggaaggtaa tgatctccac attgccggga aagaaaccct gatgtctttt 180
 tggggccaaa gggtcctat tttagaaacc caccactgg gaaagaatga ttcgctaaca 240
 cctaacgccc ataatgttta tcacctgcct tggggactgc atccctaata taaactccct 300
 attgccgttc tgaaaacccc aactgatttc ccgagaacat 340

<210> 11825
 <211> 339
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220133g05d1

<400> 11825

atgccctttt tttttttttt ttagcagaat taggccatgc aacgccactc tgtattatat 60
 ctgtcatcat attacatac agaaattcaa ggtgaactcc acacaatatt aagattttca 120
 ctttacagaa agtgcagtaa tatttaaaaca cgtagaccat tgtattgcat ccataatacc 180
 ggaatgatgg aaatttacac actactaaat gttccggatg acttgaaaaa actaatcata 240
 gggtcataaa gaccttgttc ggcttgcaag cttaaaacga agccaacatg accatagttg 300
 tcaagataaa ccacttccgg agcggatggc aatcccttg 339

<210> 11826
 <211> 329
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220133g06d1

<400> 11826

aaaccggcaa ctgccatgat ttgccaatta tccatgcgtg tcggaacatt atagacctga 60
 gctgatttaa atacataaaa ttatgcatac ataaagaata actaagacag cttaataaaa 120
 aactagcggg actgaagttc tgaaatacag aacaactgtg gacacagtat gaatgtaaaa 180
 ttaaaacacg atgttttgaa tgaggtcgct gaaccacgta taaacttcgg gtattacaaa 240
 accgttagtc atcctcaata gcagataaca gagacttata cacagaatcg gacattgaac 300
 tcgagccaca agcgaaacct tgaaaattg 329

<210> 11827
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220133g07d1
 <400> 11827

aaacaaagac atttatgtaa ttttattata atgtatatgt acgaaacaag tactctaata 60
 tgtgtcttca tcatccatga aactcattt cagtatttat cttctatccg ttacgaaatt 120
 ctgtccggaa atatccaaga gtgtaaggat tttggtcata tgaaaccaa atcgcacgtc 180
 tgcagattta aaaagggcac acaaaacatt attcccatgt caggcaactg gcaaggcca 240
 tgcttagcaa aagacggcaa cattgacaga cagtataaag ttgaaattac caccacactt 300
 ctatttgga tccatggaaa agcgccttag acaagagcct aggggaactct gtatgccaat 360
 tccttcatag catgaccaag cctattttca gactgaacac tctgaacca attggcattg 420
 a 421

<210> 11828
 <211> 382
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220133g08a1
 <400> 11828

agggccgccc tttttttttt tttttttttt tttttttact attttttttt tttatatttg 60
 ggtttggtta aaaaatatac ccctaattt aaaaaatcca aattataata ttaccatcct 120
 tttatctaaa ataaactgac caaattacaa aataatttct cttcacttca aaaaacattc 180

tctttatctt aatccaaaaa acctatcttt caattaaaaa aaaaaaacca atccttaaaa 240
 aactaaactc tttcttaatt caacaataat atactttttc tccaaagaaa aaacattcca 300
 aaataaaaat tcctcttaaa aaaaaaaaaat aaatttacac acctcttaat aaatataaat 360
 tattcaatta acaacatact ct 382

<210> 11829
 <211> 607
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220133g09a1

<400> 11829
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 taacacgcga tgttgtttcc ggtccattga taacgttttc tggcatcgaa aagggttgcaa 120
 atatattgca agctttgaat actactggac ataatgggtt tcctgtcatt gatgaaccac 180
 ctttctcaga ttcaccagag ttatgtggac ttgtactgag gtctcattta ctagtgttac 240
 tgaaggagaa gattttttca agggataggg gttttgcaa tcaaaggatc ttccaaagaa 300
 tttctacttt ggattttgga aaggcgggat caggaaaggg gatcaaacta gaggatcttg 360
 atatccaaga ggaagagatg gatatgtatg ttgatctcca tcccataact aatgcatctc 420
 cttacactgt ggttgagaca atgtcactag ccaaagctgc tattcttttc cgacaacatg 480
 gactcaggca catgtgtggt gttccaaaga gccaaaggag acctncagtt gttgggattc 540
 taacacgcca tgattttatg ccagagcant gtttgggact tcacctgat atcatgcctc 600
 acaaatg 607

<210> 11830
 <211> 298
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220133g09d1

<400> 11830
 agcttaacaa ctttattcaa gaatttaaca agccgcgagt tcaagagatc attattaact 60
 tactgaggca ccttatttct gggtttaaaa gtgtctatcg gattgtatca tgctgacttc 120

atgaaataga gattaacagt ccattcgctg ctgtcacttc ttaagcagct ttgttggatt 180
 caagtgttct gtgaataatt attgcactct actgtgtata aaaacttcga tcaactaatg 240
 aatgcaacac ttcgacacgt acagaagaaa gaatatttgg catggagatc cgtcattt 298

<210> 11831
 <211> 614
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220133g10a1

<400> 11831

gaacgatgct gggacaattg tgaatgaact tgaagttcag catcctgctg ccaaggtgtt 60
 tggttttggc tgggaaggct caacaagagg agattgggga tggagctaata ttaactattt 120
 catttgctgg ggaactcctg caggggtgctg aggaacttat caggatgggt ttgcatccga 180
 gcgagatcat cagtggatac actaaagcga tcaacaagac tgttcaaata ttggatgaac 240
 tggttgagaa tggttcagag agtatggatg ttcgtgataa ggaacagggt gtttctagaa 300
 tgaaagcagc tgttgccagc aagcaatttg gccagaaga taccttatgt tcgcttggtg 360
 ctgatgcatg catccaagtg tgtcccaaaa accctgcaaa ctttaatgtg gacaacgttc 420
 gtgttgcaaa gctcttgga gggggcttgc ataacagtac tgtcgttcga ggattgggtc 480
 tgaaaagtga cgctgtcggg attataaagc aagcagaaaa ggccaagggt gctgtgtttg 540
 ctgggtgtgt tgatacatct ngcactgaga ctaaaggaac tgcctcata catacagctg 600
 agcagctaga aaat 614

<210> 11832
 <211> 619
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220133g11a1

<400> 11832

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 aatcttcttc tccggggcac ttggccttag ccttagacaa tccacgtaga acacttcacg 120

tgtcttgtgg ctccacatca ccacatgctt cccagagatc atcaattcag gggggtgaag 180
 cttttttcag ggggtgtgttg gaaagtatgc aatctgttta cttgaacaga aatcgtactg 240
 ctaaggccat attggacctt gttcactctg ctgagaataa ctcattatgc tatgatcatc 300
 ttgcattcag gacatttggg gtgaatgggt atggaattga ttccatggct agtttttttc 360
 tggattatgg ctatacacia aggggaagagt tgaggtttcc agccaaaaag ttgagggtt 420
 tgtggttttc tctcctgct gattcactgg ctagcaatgg cagtggcatt aatgggcctt 480
 tgccaagaat atttatatca gagctactgg tagatcaaat gagtccacan actcaggana 540
 taattaaata atacaccgaa tcatctgtgg atgggaacaa gtatgcagca cttgcaagtt 600
 cccttgacat taacatggg 619

<210> 11833
 <211> 313
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220133g11d1
 <400> 11833

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 tgggttcgag ttaattattc ttttcgatat taatcaaccc aaattattga tgcaacatcc 120
 acatgattgg aatgggtatga aatccaaact tacagtatac aactgggtat aaattgtaat 180
 atatttcccc aagggaaata aaggatacac attctgggta tggagtgaga agagcctctt 240
 atgagcctac tctgctcaac tgctccttgg atgtgctttg aaatatcctg tcaacactcg 300
 ctacctcaaa acc 313

<210> 11834
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220133g12d1
 <400> 11834

aagtaatagt aatataatat cacttgcttt atatgccaca agtaacagac gtagcaatcc 60
 actatagcca tcattgattg tacagaattc attgtaaact ttctttcatt ggcttaccta 120

tgtttttccct tatacaactt gcacagcaag agcctactag attcagggttc atatacttgt 180
 ctaaacacca gttgccttct atcaagtcca atgaagctag acatataaga gcatactagt 240
 tccctcttaa aattgggcag aaaaatttat tatataagag agttaatcat ctttgaactt 300
 ctgctcacat aattagcgga ggatatttta aatactttat cagctaattg atgttcatct 360
 tcttatgctc tgaagaattc attcaag 387

<210> 11835
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220133h01d1

<400> 11835

tttatttctt cgtcactttt ctttatgtga cccgtataaa tgtcggcttt tgggcagtg 60
 tatggaagat attgcggact catgtgtggc tgattaaaca tgacgcttca tttgagatta 120
 tgacaaggaa aattgcgacc tgaaccgtga tctttctttg cagggcgtaa tatcacgttg 180
 tctcatgat ccacggcgga aaggcccacc tttccctca ccgtcgcttt catgtcatat 240
 ggcgcttgt gcaccaggtc gccctggcca agatctgg 278

<210> 11836
 <211> 214
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220133h02d1

<400> 11836

acttgactcg tataaaattc ggctatgggc caggggtctg gaagatattg cgactcatc 60
 tgtggttgat tgaacatcaa tcatccatcg tggattcgag ttgctaaaat tccgacctga 120
 acctatttct gtgtttccag gctatccgaa tacgggtgtcc tcattatcca cggccgaaaa 180
 gccaccttt gcgcctacc catgccttcc ataa 214

<210> 11837
 <211> 462
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220133h03d1

<400> 11837

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agtaagacaa gaccccaa at gtcattgctc tgttgcat t aaatgggtata catactacgg 180
aattctaaaa gaaaatccaa cttaaagttc ctccccctttt ttttggatcc acacataaat 240
tgaccccgca atttattatt tatcagacta aatattcacc caaaggctcg gcgcaaaaga 300
gggtggcctat actatcttcc aaaacttgcc ttacatttgg ccagacttta ctaagaagct 360
atTTTTTTTt ccatttgctg caaggggtatt tgtggcgcaa cttaccatt actttttatt 420
ggctgtaaca attgaagggg ttgcatcact tttaacagct gg 462
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<210> 11838

<211> 491

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220133h04d1

<400> 11838

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ttcttgccat agagcaaccc attattcaat taaacaaaag atcattcatt actcaaccta 120
aggcagacaa taccocaa at gtcattgctc tgttgcat t aaatgggtata catactacgg 180
aattgtaaaa gaaaatctaa cttaaagctc ctccccctttt ttttggatcc acacataaat 240
ggacccggca atttattatt tatgagacta aatattcaac caaaggctcg gggcaaaaga 300
gggtggcctat actatcttcc aaaacttgcc ttacattggg ccagtcttta ctaagaagct 360
ctttttttt ccagttgctg caaggggtatt tgtggcacia ctcagccatt actctttatt 420
ggcatcaaca tttgaagggg tttcatcact tttaacagct ggagtacttg attgggcac 480
ttcattatta a 491
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<210> 11839

<211> 388

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220133h05d1

<400> 11839

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 ggaaacatat cctataatca aaatccaatt tgcattaatt atttaaggga acttgaaaca 120
 taccgccggg aaatgattca tgggtaagtt attcatttag taattaaatc ttcgtgaatc 180
 cccctttttt ttaattccag ttaaaccct tatcacattc acaaataac ataattggggg 240
 aagttctatt agaaacttgc gtattctgtt tctttgtttt tttaccaaac agggatcgaa 300
 gtttgtcata taattcgggt gttagaaaga ttaccatata taacataaaa cttctgcgcc 360
 aattctttct aatcgagcct ctcgatct 388

<210> 11840
 <211> 352
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220133h06d1

<400> 11840

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 ggaaacatat cctataatca aaatccaatt tgcattaatt atataaggga acttgaaact 120
 taccgccggg aaatgattct tgggtaagtc attcattcag taattaaatc ttcgagaatc 180
 cccctttttg ttaattccag ttaaaccct tatcacattc acaaataac atttaaggggg 240
 aagttctatg agaaacttgc gtattctctt gctttgtttt tttacaaaaa tgggaccgaa 300
 gttgcccata tattgagggg gtaaaaaatg accccatata taacataaac ct 352

<210> 11841
 <211> 350
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220133h07d1

<400> 11841

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 agattaatag cagggaacaca tgcctgtgtg tgtttaccac tgatcaatac tgctagccga 120

gccaacgag gggcgccctg ctaacctggg gcacatcaac actgtagact gcggccaaca 180
 tggaatatct atcttctaaa aatcagggtcc ctgctttaat cgctccatta gcatgagcgc 240
 cctggctact attcatggcg acgacaagct attcagaatt cacatgacag ggagcgagat 300
 tagatgggga ctgccagatg tcggatgcta catcctctaa actcatgctt 350

<210> 11842
 <211> 492
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220133h08a1

<400> 11842

gcccttcacc agttcatagt tcatagtcca tattcataca ccgacacttt gctctcgctg 60
 cctagcatgg catcaacttc tctcttcaac ttcagactcc ctctgttcaa cttcaaccca 120
 ctgcaccatc gacggatata gaggccaaaa tctctgctct cctctcctcg caacagacca 180
 cgctctgttt cttccattaa cgaccatttg gcgctcacac gtgtcacata tccgcttctc 240
 caatctcact ctgctccgaa gcgcacattc cacgttggtg tacagaaaga gtattctgat 300
 ggggaaagct ctgagtcgat tgtttctgac gctacatacc aagaggaatt ttcctggact 360
 tctgtagttc ttccgtttct attccccgca ttgcgtggct tgttatttgg ctatgatatt 420
 ggagccacct ctggcgctac aatctcactg cagtcacccg agcttagcgg tatatcatgg 480
 atcaatcttt ct 492

<210> 11843
 <211> 122
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220133h08d1

<400> 11843

ccgaaaacgt catgctatgc tatctctaag ctcagagctt aacagctggg acacatgttc 60
 gctcatgaat accagtgatc aattctgcta acaaagctca tagtggggtc caatgctacc 120
 ct 122

<210> 11844
 <211> 578
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220133h09a1

<400> 11844

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 tcatactact gctagtaacc ataaccogtt tgatattcac tgtgggaaaa actgagcaat 180
 ggaaagctcc gattctacca gagcttgaca ttgataacat atcccacaaa ctccatgatg 240
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 atagctttgc ccttttgac atagctgcga ggggccaaagg ccactccact catggacaag 420
 ccatgnctcg tgatgggatt gtgggtggaca tggccagcct aagaaaacaa agaatgggg 480
 ttgcgattag tgtctctaag gacctntga tgggtcacta tgctgatgtn ggaggggaac 540
 aaactctgat gatgtgctac atgccacact gatatgga 578

<210> 11845
 <211> 301
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220133h09d1

<400> 11845

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 ggtgacagac agagcgagag acaacagagc ttgttgacc taccatgtgc gacctatgtc 180
 agcctaacgg atctatggga atatgccaca tattaggtgc caaaagttct catgcagact 240
 ttaaggcgac accttatcaa ttcctctagc tagcagggcc tactggagca taccgaagcc 300
 a 301

<210> 11846

<211> 578
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220133h10a1

<400> 11846

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 tcatactact gctagtaacc ataaccggtt tgatattcac tgtgggaaaa actgagcaat 180
 ggaaagctcc gattctacca gagcttgaca ttgataacat atcccacaaa ctccatgatg 240
 accctgaaac cattcaaagtg gcttcaaggg actatggcca ttttaacgcat gaattcccat 300
 tagctgtgtt tcgtccatct tctatagatg acatagtcac cttgataaaa tcttcgtaca 360
 atagctttgc cccttttgac atagctgcca ggggccaagg ccaactccact catggacaag 420
 ccatggctcg tgatgggatt gtgggtggaca tggccagcct aagaaaacaa agaatggggg 480
 ttgcgattag tgtctctaag gaccctntga tgggtcacta tgctgatgtt ggaggggaac 540
 aactctggat gatgtgctac atgccacact tgaatatg 578

<210> 11847
 <211> 300
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220133h10d1

<400> 11847

tgcccttttt tttttttttt aagagataga cagaatcggt aaacatttaa tattggagga 60
 ctttaactca cagcatcttc aatatgatcc gaatttgtcc acacactata tagcaagttg 120
 ggtgacagtc agagagagag acaacagagc ttgttgacc taccagtgcg atctttgtca 180
 gcctaacgta tctaaggtaa tatgccgcat attaggtgcc aaaagttctc atgcagcctt 240
 taatgcccc aattatcaat tcctctagct agcagtgcac acttttagcat acaaaagcca 300

<210> 11848
 <211> 573
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220133h11a1

<400> 11848

cttcatactc actagtcact atagctcacc cttgaagaag tgcaatttca tcctctgact 60
 cttccaaatc atggctagct cactgcttgt catgaagggt acaagctgca tgggtgcggt 120
 gttgatgggt agttttggac acataattcc cttggcagaa gctgaaattc catgtggcag 180
 ggtgcaaatc acagtggctc catgcatagg gtacctagg ggtcctgggt gaggtgtccc 240
 tgcagcatgc tgcaatgggg ttaggagcat aaacaaggaa gccaaaacca cccagatcg 300
 tcaaggggtg tgtaggtgcc tcaaaaccac tgctttgagc ttgcctggac tcaaccttgc 360
 aaccttgcga gctctcccta gcaaatgcgg ggtcaacttg ccctacaaga tatccccac 420
 cattgattgc aacacggtaa agcactgagc agttgcacga gggtttatgc ttgttgactt 480
 taacttgttt cgcagtaata atcagcaaag agagaacana gatggtttaa tttcttccat 540
 tgtctggatc ccactaggag tatactttat act 573

<210> 11849
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220133h11d1

<400> 11849

atgccctttt tttttttttt tgatatatat cagtgataga aaatccaata tgtcattgga 60
 caaccaacat tattattata acattatgga gatgcagatc atcatcatcc tagtataaag 120
 tatactccct agagggatcc agacaacgga agaaatcaaa ccatcttggt tctctctttg 180
 ctgattatta ctgcgaaaca tagggaaagt caacaagcat aaaccctcgt gcaactgctc 240
 agagctttac cggggttgcaa tcaatggtgg gggatatc 278

<210> 11850
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220133h12a1

<400> 11850
 aaaanaaatg ggtgatatct atctatacac tacacgttta tgccacgtcc atagcttgga 60
 aatcggttg aggacaatca acaattgaag tcatacttta ttctccata ccctcattca 120
 tttcccctgt ttttcttaaa acaaaattgc cccaatttc ctcccactta aagatgtaat 180
 ctttttttgt acttacctct tacctatttc atttttcttt cctaaacatt gcatgatttg 240
 aattgtcaaa ttactttccc accctgcttg acaattgaac aacgtttgct ggctggcctt 300
 attcaacttt gctcaattt tccaaatgtt tccaattacc attcaatttt tccttttgaa 360
 aatgtatgaa accaaaatat ggggttccgt atcttcaaat tgattacttc aaaagaaaaa 420
 aaatagaatt ttaatttctt tt 442

<210> 11851
 <211> 306
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220134a01a1

<400> 11851
 attttcttcc tctaaaccct aaacaactct ttctcttctt ccttcgctcg ttgttctccc 60
 tcgcgtagat cgacaatggc ggagacagag acgtttgctt tccaggctga gatcaaccag 120
 ctctcagtc tcatcatcaa caccttctac tccaacaagg agattttcct tcgagaactc 180
 atcagcaacg cctccgatgc ttaggacaag attcgatttg agagtttagac agataagagc 240
 aagctcgatg ctcagccaga gttgntcatt catattattc cagacaagac taacaataca 300
 ctgacc 306

<210> 11852
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220134b01a1

<400> 11852
 tggcgccggc gttggcggcc acggagccgc gtttcatgcc gttgagtaga ggtagaaaa 60

cagccattga ggtaagtgat gtggagggag ggacatgtgt gtacagtggc tgagttcctt 120
 ccaaagctct tttagccgag tgaggtcgta tgcgtgtact aaggagcgat catcacttga 180
 agtcctttgg cttacaggtt tctgctgctg gctatgacag acaaggattc gctgatcatg 240
 ctaataacct tgcttcgaaa atcctgaata atttgaccaa ctcaatgaaa gcactaggag 300
 tagacatact tactggttnt ggaactattc tgggtcctct aaaggtgaaa gttggctctt 360
 cagacaaaat agtaactgca aaaaatatca tcatt 395

<210> 11853
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220134c01a1
 <400> 11853

caaagggcat tgatagtga tacgtgatat ctcaacagag cctatgagag ggtgggatta 60
 gctaggggaa cccatcgag tctactacgg caaacgata gcgttaagcg tcgccaactt 120
 cttcgccacc gtcacgtgc gtccctccga ccagttaatc ctncacccc accccctcca 180
 cgatctcctt cattttctcat cgctccctca atagggtcaac aggttgagct cccaagggtta 240
 ctatggaggc gtgcgatagc ttatggctat ttgcaatgtc ttctacgcgt attgcagaga 300
 gaacgccatc gatcttggcg acgacaattt cactctctcc tacgacacca atatccctcg 360
 ccaggctggt ctttcgggtt 380

<210> 11854
 <211> 355
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220134d01a1
 <400> 11854

ctctttcggt tctcatcatc tgagacttac actccagttt ccaaaccgag tcgaatgtga 60
 atttcgattt gaattgagaa tttcatttgt caacttccct gagatgcctt acacgggtccg 120
 cgagtacctt tcgatcggga tcatcggcga cgcgggaggag attctcgaac tcggcgccgt 180

aaaaacacca ggtcctggtg ctcaatcagc tcttcgagcc ctt

403

<210> 11857
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220134g01a1

<400> 11857

gcggagccga gttaccttca attccaggct ttgagttaga atttccttat aacaatcaaa 60
tcaccctcac acacagagca tctgacaata acaacattgg gtgaatcgga ggtaaggtaa 120
caaaaaacaa aaggcgcggt agtgtagaga gttcctttnt aatnaaacct cgaaaggatg 180
aaacagctcc acaagcaaac gagtctgaat caccggaggg aggaagagat gctggggagc 240
agcgagacct caccatactc ccccaaattc atcaagcaca ccagatccct ccccgatcc 300
atcaacta 308

<210> 11858
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220134h01a1

<400> 11858

cttcttcttc ttcgaccttc gattagggcc caacacaaac gcaccattgg ctccgatcac 60
tgcgcgaccc aattccatgg cggctggccc tacaacaaca tcaccctccg atcgaccac 120
catggtccct cccccaaagc tegtctccga ctcttcgcc aaggacgcca tctctgctg 180
gttcgcgggc gagttcgctg ccgccaacgc catcatcgac gccctctgcg cccacctctc 240
cgctcctcc gccacgatt acgacgccgt cttcaccggc atccaccgnc gcaagctcaa 300
ctggatcccc gtctccaga tgcagaagta ccactccatc gncgacgtca cgctcgagct 360
cgccagactc gccgacagaa accacaact 389

<210> 11859
<211> 316
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220135a10d1

<400> 11859

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gaattatgta tgttcaggtc ccaaaaaaat tcaggncgac agctncacag ccggcggccg 60
cccttggttc attggaatta aaacaaacgc gggttaaaat attttttgac ggcaaaacaa 120
aaacaggggg aacgtttggg ataatttgat ccggtatata tagaccacca aaaagtctat 180
aaacacaagg ggaagctaaa ttaaacccca agaagaagaa aaacctagta aaaaaaggca 240
aacaacggaa aacacctcca aacatggcca cttaaacaca aattaaaaaa tgaaaaggaa 300
agaaaaaaaa caaaaa 316
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<210> 11860

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220135a11d1

<400> 11860

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ttgggncgag gcactataag caacagaaac ttaaagcttt tttaacacca aggaggcggc 60
gacggggaaa aagacaaang gacagacccg gaccagcaag aacaggagng accaagacac 120
cgaaaaacca aaaacgcagg gaaggagcac tggggaaaac aaaaagcaaa agacccaacg 180
actagccatc tgggaagagg cgaagcacia taccatgaa caagacaagg gggacgtgcc 240
caggaaagac cgagccctac ccgcacacag attgaccaga actggcagcc cccaacaagg 300
aggcgggacc aggcaccaac aacaagccct gagatacccc tgcaggtgac cagagggggc 360
cccagtgagg ccccggaac caccaaaagg gcagccggaa cccaccaaag ag 412
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<210> 11861

<211> 163

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220135b10d1

<400> 11861

gaangaggcg actccgatct cgaggcaatc cggggagacg agcancacag gcggcggccg 60
 cccgggggtca gcgccccaaaa caaacacctg ttaatatctt acgccccaaa acaaaaacca 120
 gggggcaggg gggaagaaaa caaacgggaa gcaccaaacc ccc 163

<210> 11862
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220135b11d1
 <400> 11862

gaaggcgctc ttctgattct ggaggcattg cgggggaaag ctcacagtcg gggccgcctt 60
 ggtttttttt ttataaaaa caaaactttt ttaaatttga ttccccacga gaccaggac 120
 aaggggcagg ggcacaataa agacaagaga acctgcaaac cgaaaaaggg aaacgcacga 180
 aagcaaacc aaacaagaac aagcaccact caaggggcaa cgaccggacg aacacaagag 240
 caaaagcacg cacacggana gaacacacgc acggatgagg caacaacact cacagacggg 300
 gcacatccct aacaggtagc tattgcaaca taaaataatt gcaatgctag tgcaaagagc 360
 taacttttgg accccccctt cctgatggac atgacaatgg gatcagaagg aaacaataac 420
 caatccattg aaggaga 437

<210> 11863
 <211> 289
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220135c11d1
 <400> 11863

ngggcncagc gcaaatacac acacacagtt ttttagtctt atcaaaccgc cgaaaccaac 60
 aacaggggaa cggagaaaaa acaacggccg cgacaacca caccaaaaaa agggcggaaa 120
 cgccggccaa aacacacccc aacgagggca ccacacacaa ggaaagaaac aaagaccgag 180
 aaccaacaac accccaaaaa accaaacaag ccgccccaac cgccaaaaca gccggggggg 240
 gaggcggccc ccaaacacga ccggnccccc cagcagcaga gagaccaac 289

<210> 11864
 <211> 382
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220135c12d1

<400> 11864

ttggctcggg acccttttaa aaacaccctt tttttatata caaccagcgg aagcgaaaag 60
 aggggaaacg gagagaaaac aaaggcggga acaaacccca acaaaggag gggggaaatg 120
 ctcgccaaaa cagaccccaa cgaggctgac ctagaccggg aacgaaaccc aatcggcgaa 180
 caaaaaacac ctaaaaaacc tgccaaagta atcgaaccgg cctgagcagc agcggcgggc 240
 gccagcccc agagacgacc cgcccccca ggagcaaaga aaccaccctt cggggccagga 300
 ggagcattaa acctcacggc acttgcacgc ccaaacagcg gaggagacca cccccgaga 360
 ggggggacaa cggggcccaa ag 382

<210> 11865
 <211> 153
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220135d10d1

<400> 11865

tggggccatg gcnctttcgg ggccaaacct ttaaaacata tctcgcaagg gacacgcaga 60
 aacgggcnaa ggggtgacaa gnccaacccc accacaccgg ggggcaaaa acaagggaac 120
 ccaagaagca cccaagagcg ggagaaggga cgc 153

<210> 11866
 <211> 222
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220135d11d1

<400> 11866

gttagatgct atctgattcn cgaggcagta gggggtgaca ccctactagc cggcgggccgc 60

ccttggtttt tttttttttt gacccccac tatattaacg tcattcgcaa aacanacaca 120
 ggaaccggcc aaagttgtac gacagcaaca ccaaccatct gnnagcgcaa gattcaaggc 180
 gttcatggga cattaaatga ctggaggaga tccccattgt gg 222

<210> 11867
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220135d12d1
 <400> 11867

ttggtccaaa ggatttttta aacccaatt ttttaatgtc attagcaaaa caaccaaacg 60
 cagggggcaa ggtagagac agggaaacgga atcacccttc acagcgggaa ggagagcgta 120
 gtctggacat taatggaatg cgagagaaca cacaagctag accatgcccc acgggaggca 180
 ttatacgacc ctcaaactgg tccacaacag acaagtgtcc gcaggaatga ccattaacct 240
 tagatccatg agaggaccct gcagtgcaca agggatttga cccaggccac ccactggggg 300
 aggcgtgacc atttccccgg ctgtgacgcc aaaaatatga aaaagggtgag ggccccaa 358

<210> 11868
 <211> 500
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220135e12d1
 <400> 11868

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 acaggggaaa tgaagaatta gaaaatctct attgaatgtg caccacatt cccttggtg 120
 caggcaagcc acggtaaacg acgaaaagca agtagtatcc aggaggagct atggcattgg 180
 atggaggcgc ctccactcta accctgtaag acccttcttg gccttgtagc tttaactcgt 240
 caatcttgag aaacaaaagc ctctgtccca tagagaagcc atgagtagtg aagggtggag 300
 aatacatgga caccttaatg ttattcttgg ttaactcagc tccatcttcc accgagaaac 360
 ttgcctcaaa caaaccacca tacgccaaact ttttctccga agcattccta gacaattggg 420

ggcctatact tgacaaagtt ggcggtccaaa ttaggaggag agaaagcttc aactcttgtc 480
tcaattggga aactatccac 500

<210> 11869
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220135f10d1

<400> 11869

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cccggggggc atggaaaaac ttttaacaggc ggatagagca gcagccgcac gaccggttat 120
atgatctaaa tatgataatg tatcaacggg ggacaaaatg aaagtccaca aaactggaag 180
aaaaaggagt caaactggcg atccccaaaa agagagggca caccacgcgc tcggtgggaa 240
cagcaacgag gcccggggat cttggagcgc cgaggccgaa cacgtcacc atgctcatgc 300
tactgggcgt catgccatac ggcaaaagcc acgtgaagca gagaaggagg cgcgccaacg 360
aaaaattgag cgcgaagaga ccgaacacca tcccggggcg ggacctgcga cccacccga 420
agggcataaa cccgaagctg cacccttaga aatagggcac gcccggttaa agaaaccggg 480
cgggg 485

<210> 11870
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220135f11d1

<400> 11870

ggtagcgtc tgtctgattc ncgaagcatt acgggtgaca gctcactagc cggggccgac 60
ctggtttttt gttttttaaa cgaaagccta tgттаатата tttgaaagnc caacgaccag 120
acggaggaaa gggagaaatt taaaagcgcg aaagagggcg caccacaga cccagggcg 180
caggcaaacc acggcaaacc accacgagcc cgaagcagcc aagaggagcc aagcgccggg 240
aaggaggcgc cccacacta acccagcaag acccaaaagg gccacgggcg cggaacacgc 300

caatccggag aaacaaaagc ccagagccca tagggaaaac acgacacggg aacggaggcg 360

aatacat 367

<210> 11871
<211> 359
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220135f12d1

<400> 11871

tttctttttt ttttttgaaa ctaaagccta tattaatata ttagaacccc gaccgagcat 60

acagaggaaa tgggtgaatta taaaatccct attgaatgtg caccacatt cccttggtg 120

caggcaagcc acggtaaagc accaaagagc aaggagtatc caggaggagc tatggcattg 180

gatggaggcg cctccactct aaccctgtaa gacccttctt ggcttgtac gtttaactcg 240

tcaatcttga gaaacaaaag cctctgtccc atagagaagc catgagtagt gaaggggtgga 300

gaatacaagg acaccttaat gttattcttg gttaactcag ctccatcctc caccgagaa 359

<210> 11872
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220135g10d1

<400> 11872

tgggggtctta cccctttaac aaccaccctg taataacttt tttcnggnga cgacaaaaaa 60

aaaagggggg acggaagggg ccaaaaacgc caaaaacccc aaccccccca aaacccaaaa 120

aaaaagccca cggaccagac aaaccaaagc annccacgna aaggggaggg gaaaaccacc 180

cccccgaca agcacaaaac acgcccagac ccacccgaca aaaagaaaag gaacgcggcc 240

cgggaaagca aacggggaga aaacaaacga caacggggcc cccgaagaga ggcccaaccg 300

cccaccata aaacataaaa aaagcttgac aacggaaaaa cccagccggg tcacccgacc 360

acggccaacc ccacccggac agggggcaga acaaccaa 398

<210> 11873
<211> 116

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220135g11d1

<400> 11873

ttgggtcttg ggcatttaaa ctaacgactt tattaatata tttgaaaaca gaccggcccc 60
 acgggggaaa cgtggaaana gaaagccgcc aaagccccac caccacaca aaacag 116

<210> 11874
 <211> 202
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220135g12d1

<400> 11874

gaatgcttga tttccgaggc aatttcaggg taaacacctc acagccggcg gccgcccttg 60
 atnttgggt tttcaaaaaa ccacctgtat taatttctta aacnaaagac cgaccacaca 120
 gggaaaaggg gaaaatagaa aaccgcgaaa gtacgagcac ccacacaaac aggggggaag 180
 gcgaaccggg ggaaacgacc aa 202

<210> 11875
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220135h10d1

<400> 11875

gataaaattc tatccgcatt tcganacatt aaagacgaca gctcactagc caacggccgc 60
 cttttgtcc aacgctttta taaaaccccc atggtagtaa acctcttacc cgcacaaaaa 120
 nccaccggg gcgccaattg taaaatttaa aaccgggtaa ttccccaaa acaaaccaaa 180
 aaaaaacccc tcttccccgc aagcaaaaac acaaaaaaaa aaaaaccaat aatctggcac 240
 gccacaaca accacacggg aaaaaatatt acaaaaacca aacggcccaa aaaaagaaaa 300
 aagagtccca aaacaaaaaa cgaaaaggga ggacggggga caaaaaaaa ccagggcaaa 360

caccacgctg tgcgaaaaaa cccacccgat aaaaaaaaaa aaaaaaaaca gaaaggggg 419

<210> 11876
 <211> 512
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220136a01a1

<400> 11876

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 atgactacac ccactggatg atgtacgcaa ttggtggaag ctcagggcca acaattctga 120
 gccaaaggaaa ccgtttcata gctccgaaca acaacgccgc gaagctgatc acacacaggg 180
 actatgctga accccaagtg tggaagaatt ggcagtggca atcagaaatg gacttgttca 240
 taaacgggtgc acagttcatc ccttcaggct caccatcaa gacgacctac aaaaagggtc 300
 tcctcatgaa gccaaagatg ggaactcatg ctagtagatt gacacgaaat tccggtgccc 360
 taaactgcat agttggtagg ccttggttaga caaattagtt aacattaatt gttgttgctg 420
 ttgggtttttt ttttcttcct ccattttttt aaaatgtag aaagcatgca cccatgcatg 480
 catgcacaga agattcatgt cagctaggat ga 512

<210> 11877
 <211> 126
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136a01d1

<400> 11877

cggaaacgga aacactcaaa caaccaaagc ctctgacca gcaaccacgc cggcagacga 60
 gcagggggag gatccggaac gaacagacgc cgacgaaaac gacggggatc cagcacgcca 120
 caggac 126

<210> 11878
 <211> 559
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136a02a1

<400> 11878

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tagctgaagc attttataag cctccacttt cctgaactag ttttaacata caatctttca 120
agtacacctc cccagcttcc atttaagaat ggagatcact agaataggcc aatggttaag 180
tcttctgata tgtgtactac tattactgca gacagaaggg gttcctgtgg gaatcacttt 240
tgttgaaaat gcagtggcaa aaggggctgt ttgtttggat gggagtcctc cagcttacca 300
cttcacaaag ggatctggag cagggattaa caactggata gttcactttg agggaggagg 360
atggtgcaac aacgttacta cttgcctttc ccgtagggac actcgattag gttcatctaa 420
gaaaatggat acatcacttt ccttttctgg gtttttcagt aacagtaaaa agttcaatcc 480
agatttctat gattggaaca gaatcaaggt taggtattgt gatgggtcat cattactggg 540
tgatgtgaaa gctgtgatc 559

<210> 11879

<211> 553

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220136a03a1

<400> 11879

ggcaagaagg caaagatggt tagattttca gctgtgaagc acaacagtgg caagtcctac 60
aatcagttag cggaggagac tggactcacc aacgtctatg ttgctcagct tctcaggaga 120
caggctcagc tcaatcccca aactgccct ctacttcggg cagcgctgcc cgacctgccc 180
caagaccttg tttctgagat gatgagaccc cctttgaggt cttatgaccc taatctcatc 240
caagacccca ctgtctatag gttgaatgaa gctgttatgc attttgggga gagcatcaaa 300
gaaataatca atgaggagtt tgggtgatgg atcatgtcag caatagattt ctactgctcg 360
gttgataaaa ttaaaggagt agatgggaag gatcgtgtgg tattgacatt tgatgggaaa 420
tatttgccac attcagaaca gaaatctgag cacatggttt caagaacaag gccactggga 480
aaacagtgag tatcttcatt ggaggaccaa ctacgcaatc ttcaacacca gtctacctgc 540
acatgaatta tca 553

<210> 11880
 <211> 330
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136a03d1

<400> 11880

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 ctagcggcaa caattgcact gataatagtg ctccgtgcac gagatgcaag ccggacctca 120
 ttgggtcgaga tcaccaaccc aagaggacct gaaactgctt ggagaggctc ccacgcataa 180
 gcaggagacg atgagaacga acacagacga gatgcacgaa aaccactcta gcctctggta 240
 cttcgggtct agcaagagca atgcacggta ctgtaactcc aagactgaca gacgagaggg 300
 gctagacatg tggctctgaa gcacgcaact 330

<210> 11881
 <211> 544
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136a04a1

<400> 11881

gtcttggttg taaagaaaga tttagaatth atgaatcgaa gacgaagatg gaggacgcat 60
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 gtctccatgg agtcaagagc gacatcgttg gttctcacc tcttcaatct tcaactccaat 180
 ctacaaggag aatggatgaa gcgatgaaga ggcaatgcaa agttaacctg tacggaactg 240
 cttttcccat gaaggaggag cttgacaggc aaatcctgtc cagggtccag cggcctcctg 300
 gaccaattcc ttcttcaatg ctgggttttg agactgttac aggaagtgtt gatcactttg 360
 gttttgagga ttgtctaaat gacccccgtg agtcagagac tttccggcca ttagacatgc 420
 atcatgggat gggaagtgcg ccttggtcta tctaaggac cagtgtaccc aagtattata 480
 taattaaaat tgactgttat tctagtagca gaaaacagta ttttgtgatc gaagcttctt 540
 gtta 544

<210> 11882
 <211> 130

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136a04d1

<400> 11882

cgttgacgta gacaccttac caacccaagc ctctgaacc ccatgcacga cctcacgcaa 60
 gcagggggcag gctttgcaac ggcccaacgc cggtgaaaac gacggagatg ctggccgtca 120
 ccggacggcc 130

<210> 11883
 <211> 560
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220136a05a1

<400> 11883

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 caaccatgtc aatgaagttg tacgcttccc ttacctttgt ggtgtggctt ttcattggcca 120
 catcgtcctt agcccaatac gttctcgaca cataccgcga acgcgtcgac agcgatgatg 180
 agtactacat ccggccagcc ataacggaca acggagggcg tttcacattg atcaacagaa 240
 acaggtcgtg tcctttgtac gttgggtctcg aaaacaccga cagccacta ggctatcctg 300
 tgaaattcac ccctttttcc cgcaacaaca acgatgatga cgacgacgac ataagggtga 360
 atagggacct cacagtggcg ttcgatgaag tttcacaacg tgtgtgcaat ccacagaatg 420
 gagagtgggt gagaacgaca cgaggagtgg aaggaggctt attatcactg gccgagacga 480
 aaccacggga tcatacngta actagtatag aattgtggag acagagaatg ctggtatcta 540
 taacattcag tgggtgcccta 560

<210> 11884
 <211> 128
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136a06a1

<400> 11884

aaacgaatcc caacacaccg ttctgaggct ctgcactact tcatccatga cgcgtgggtc 60
 ttcaggagcc agtgatgagg ctccaaggaa cttcatatgg ctagaggagc ttgacaaggg 120
 agagaaag 128

<210> 11885
 <211> 319
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136a07a1

<400> 11885

aaatcatcca gttcctctac tatcttggat gtccaatcag tgtgtcctgg agatgtgatt 60
 cttgatctgt ctaacatgac aaaccagaca attaaacttg gtggtgggtc acgacaggac 120
 tgtgatgcga tttctgtaat gaaggctggc agactaaggt tctcaaagcc taataaatac 180
 tggggtgaaa attctcagaa gaggtatgtg ccacatgcag aggattctgt tcttgaatt 240
 gttgtagact ccacatcaga taactttctt gttgacataa aaagggcagc tttagcattt 300
 tttcccatgc ttgcatttg 319

<210> 11886
 <211> 439
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136a08a1

<400> 11886

tatttggttg ggtttaatcc ctgggttgaa tcgttcgaga catcacggct attctaagag 60
 tgtgggggtc tctcattcat gtcccaactg tacgacggag gacagggtgc gtaactgcca 120
 ccaacccttc gccgcacggt gggcgtgggt ctctgcctgc tgaagggtgt agcccttgag 180
 actggctctt cttagctggc ggtggctctg ctgacttcta gcttcttctt aactatgttt 240
 tctttttact acttttaagc taccttgatc tcaaaataac atacacaaac actttcttac 300
 ttcataagat cacctttgct tgatcttgta cttgtccttc actaaaatga tgctcaaaat 360
 caagagggtt cccactgtcg tttccaactt ccaaaaagac gacgctgcag actctcctcg 420
 taccgtcaga agctgtgga 439

<210> 11887
 <211> 429
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220136a09a1

<400> 11887

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ttttgaacta ctcttcaaaa tgaccaaggc atccaatgcc gaagtgattg acgacagaat   60
gattgggtcac atgattagca taagtgacga tcattataaa acatatatag catctcgatg  120
tgtcgaactt gcagagcaac tcgctcctag tgatcattgg ttaatacaga ccatgaatac  180
agtctatgag catgctggag atcttgtgaa tattcagggtg gcccataatt taatgcgatt  240
gctcgggtgaa cgacttggag aggatgatga tgctgcatat agtcagttga gatcatgtgc  300
tgtagagtca tacctgcaac ttattgcgga gccaaagctt ccgtcagcat ttcttgaact  360
aatccgttgg gttctggggg aatctggcac agctgatgga gagcattgtg ctttctatat  420
cactgggaa                                         429

```

<210> 11888
 <211> 395
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220136a10a1

<400> 11888

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gcatcgcgac gactgatctt gacgaatttg cacgctacgt cctcatctag aactcggctc   60
gagcttccat gtatcgcgtc tcgcctagcg gccctcggct acgctgttgt cgctgtgggtg  120
gcgggccggg gaacttgccg tgcccggtac tggttgcaga ttctcttctg aagcctacag  180
tgcagagctg aagcaacgct cacattcttc caaaatgggc tgtacagaac aaagttcttc  240
accagatac tggatcactt caatctcaat ccccaaagca gtcgcactat tcagcaaagg  300
tatgtgatca acgatacctt gtggagcggg gccaaagaaca atgcccgaat cttgggctac  360
actggcagcg aagggaacat gcaatcgcg acaca                                         395

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<210> 11889
 <211> 455
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220136a11a1

<400> 11889

gttataaaat gatgggggttt gaagctcgaa cctcattgag accaaggcta gtgttcacct 60
 tccttgggat cacttttaggc tgggtcaata tcctactgaa cagggcttta acaacggttc 120
 tggcccagcc taagcacaag ctactttccc ataataaatg ggctgtccgg aagatcttgc 180
 aggcaggaac tactgaccca gtgggcacta ttatatacga gcaatatgac acattcatat 240
 caggcaccat taacaaggcc cctgggaggg tgccgaaaac gatgcttcaa ttcaggtac 300
 accggcaatg aagggaacat agaatgggtc atacttgaca tgctgctgct gtggattcat 360
 ggtcatatac tgcacgtacc taagaatacc atcaggcctg cattagatga aaaatgagac 420
 ccatactact gaaacttaac agatgaatgg ctaca 455

<210> 11890

<211> 509

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220136a12a1

<400> 11890

ctctctctct ctctctcgcg cgactacaa ctaatgtcat gaaagcattt tgttcataga 60
 agaagaaatt cctcttccta ttagattagg gtttttttcc cattcaattc aatcatgctt 120
 ccggcactgt ctcaattcaa ggtttaccat gtgggtgtgg ggttcaattc gtcccctaac 180
 cccattccca tgettaccgc gctccgtcgc agccgctgtg ttgtcctctt tcgcctgcga 240
 tcctattcct ccacagactt caaaatcacc gccacgtcg aaactgactc caccgttcac 300
 ttggagcggt gctttaacgc gccgctcgct tcccaccttc cttccatttc catgaagggc 360
 ggccagtatg gtgccttcgg tgccgttacc ttggagaaat ccaaacttga tatgtcgcaa 420
 aagcaaacaa ggtctagccc cgagctagac atctggggag gctggggaga tatcggaacg 480
 aaaatcaatc atggtggcgg tgatgaagc 509

<210> 11891

<211> 490

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220136b01a1

<400> 11891

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ctcaaacaaa aataatcttt agcaactctt ttctcttttt ttgtactcc attctgaaac   60
tttctgatac cgacacacag caggaccatg atgcgggttg tgatgtcttc aagctccaaa  120
cgtgtgtcta agtgcttcat tttttgttc ctggcttccc tacactttgg atccaacgct  180
caactcttac cacaagatga agtgaaattg ctacaagcaa tatcagacaa ggtagagaac  240
ctgaattgga aagttacaca acattcttgc aacggggata gaggatttga taacaggaac  300
atttcaaggg ataagtctca aatcataagg aatgtcacgt gtgattgctc tttcaacaat  360
aacactactt gccatgtgac atcaattgcg ctcaagggtc tcaatatatc tggacctata  420
cccgatgaat ttggaaattt aactcgacta gaaatacttg atctcacttg gaataatttc  480
atggctcaat                                     490
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<210> 11892

<211> 613

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220136b01d1

<400> 11892

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ttgtgagctc aatccttggt tagtttgcac aattttttgt acatccccctt ttattcttat  120
aaataggtat caaattgttc ctgttctgct catctagtgg tttcttgatc tctgtctcat  180
tgaacaagtt actaagctat gttataccct tcccccttaa aaattcaagt ttgaataaga  240
atattatctg gttcaattgt tttaccattg tttatctttc tctagcctgt tcttttcttg  300
aaattcttga attctgtgta aaatgtataa ttatgactat gttcttttagt gaatagtgat  360
taactctcaa tatttgttat tgtcgcatcc ctttcattga gtagcttgta gaaataagtc  420
atccattttt tcatgatatc ttgcataatt accaaagctt tntacacctt ctcttctttt  480
ntaatgagtt tcaattgacc tacttttgcc tttgctgtgc ttcttatact tccaaacctt  540
acatagctga tcacctgacc ccaggtcctt gcanaagaga aattatttgt atgctgatac  600
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gtcaaacata tac

613

<210> 11893

<211> 495

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220136b02a1

<400> 11893

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 caagacattg cacttgtcat catcatcaag ctctacattt ctttatcatc agtcaacaga 120
 cacgcatgca ttcatttgtt cagctgccac cgttctcggg atctcatgtg atcttcaaag 180
 tttgttgctt tcagcctttt caagctgtcc atttaagttt ttgagagcaa gcagtttttt 240
 atgaggaccg aataaaagat tcaaatttct atgacgtcta tcaaatacatt gagatggctg 300
 atgagaaaaa agagtggatt gtctgatggg ggtaaataca gtttcaagat gaaacatctg 360
 ccttttctgg cagttttgtg cacgataatg ttattcattg tgtatagaac cacaagtat 420
 cagtatcacc aagaagagat tgacaaaaaa tggagtttct ggggacaacc aaaggtgtat 480
 ccttcaactt atggg 495

<210> 11894

<211> 578

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220136b02d1

<400> 11894

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 aggcctcaag gatacactcc ggacttaatt acgttatattt gttaggggtca ccgtttcgag 120
 atattctaaa cttgtactga aaaatatgga gggaaaagaa gaggacgtaa gagttggagc 180
 caacaggtac ggagagagggc agccaatagg gaccgctgct caggctaaag actacagaga 240
 gccaccgtcg gcgcctctct tcgaaccggg agagttgtca tcgtgggtctt tctatagggc 300
 tggcatagca gagtttgtgg ccactttctt gttcctctac atcacagtgc tgactgtgat 360
 gggatgtgtt caaatctaag agcaagtgtt ccactgtggg tatccaaggc attgcttggg 420

cttttggggg aatgatcttt gctcttggtt atttcactgc tggaatctca ggggggcata 480
 ttaaccacgc agtgacgttt gggctgttct tggcacgcaa gctctctctg acaagggcaa 540
 ttttttacat aatcatgcag tgcttgggag ctatatgt 578

<210> 11895
 <211> 555
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136b03a1

<400> 11895

atcgaaacct gcatggttac tttattaatt tttccacctt ctactgcact ccgagtaaca 60
 actcgcacta tttatgttgc ggtgacaatg ttaattggca tatgtgttcc gttctttggc 120
 tctcttcttg gatttcttgg aggccttgcg tttgccccga catcatattt tttgccctgt 180
 atcatatggc ttaagcttaa aaagcccaag aaatttggct tgtcttggac aattaactgg 240
 atctgcatta ttcttggggg agtggtgatg atattatctc caattgggtgc tctaaggaat 300
 atcatactat cggccaagaa ctacaagttc ttctcgtaga ctattgatgc aatcattgat 360
 ttcccaactg ttttaaaagt tagatgggtg aaactaaata acaagaaagc atttacatac 420
 atgctttatg catagaatat agataataga tagcttcata ggatttgtag aagtgataga 480
 cacacaacta gccttgcaca aaattgaagc aactatcttg ctactatgt agaattgata 540
 tcatttatgg agaca 555

<210> 11896
 <211> 444
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136b03d1

<400> 11896

gatgaatata aaatggacta atcttcggcc gtcctgtgaa ctctctgtga aaaaactacc 60
 ctgtgagaca accattgcac caattcgtca gaattatgga gtttacacac agagttacaa 120
 cttactacaa atggaataac ttgaatcctt tgtggctgat gtctttctct cacctgaaat 180
 caacttggaa tctgcatgag cttctattga agagatactt tgatcaagat ggatgggaaa 240

aactctcttc aaataactag aagtgggtatt ggtgcttatg atgacgatgg acatgccaaa 300
 aggactggga atttgcatag tgctgtagct catatgatta ctgctggtat cggctctggc 360
 gatctttctc ttgcatggag cactttccaa ttaggatgga ttggagggcc atttcccttg 420
 ctttgttggtg caattgtcac ctat 444

<210> 11897
 <211> 535
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220136b04a1
 <400> 11897

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 tcgcctcgct ttctcagctg gaatcggtgg ccttcttttt ggctatgaca ccggagtgat 180
 atctggagct cttttgtata taagggatga attcccagct gtagatagga agacttggct 240
 tcaggaatct atagtgagta cagcaattgc tggagcaata ataggtgctg cagtgggtgg 300
 atggatgaac gaccgatattg gaagaagaaa atcaatcctt gtagctgatg tcctctttat 360
 agttgggtca gcagtaatgg ctgcagcacc tgtccctgct gttctcatca taggtcgagt 420
 ttttgttggc cttggtgttg gaatggcttc aatggcatct cctctctaca tttctgaggc 480
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<210> 11898
 <211> 133
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220136b05a1
 <400> 11898

aaacggctct caaaacgctg attgcagttt ttgcacgact gcatccataa cacggggcgg 60
 tgagcgagcc atgggggaca aagaacttaa ggggggacta aagaacagat caagacaact 120
 agagcagaca aag 133

<210> 11899
 <211> 473
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220136b06a1

<400> 11899

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 ttgggtgagt tgtggaccca aagagaacat caactccttg gtgagttttt catgcaggag 180
 tagtagtggt ggtgaaagaa cacaaaagag attttctgga atcagttttg ctagtggtag 240
 ttctgctttt tcaagtgcag tggcagctac tgagacttca agatcttcag aggagagggt 300
 ctatgaagtg gttctgaagc aagcagcttt ggtaaagaa cacaacaggg gtacaaaaat 360
 agctctggat ttggacaaag atgttgaggc tgatttaaca atgtggatct gttgaatgcg 420
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<210> 11900
 <211> 513
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220136b07a1

<400> 11900

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 catgaatcag catcaccacc gctccaacac aggggaaaat gagggagatc cttcacgttc 120
 agggagggca atgcgggaac cagatcggtt cgaagtcttg ggaagtgggtg tgcgacgagc 180
 acggcataga tccgacgggg aagtacgtcg gaaactcaga tctacaactc gagcgctga 240
 acgtgtacta caacgaagct tctgcgggc ggtttgtccc acgcgcagtg ctgatggacc 300
 tggagcccgg aaccatggac agcgtgcgga ctgggccgta caggcagata ttccggcccc 360
 acaacttctg gttcgggcag tccggcgcg gcaacaactg ggccaagggg cactacacgg 420
 agggcgccga gctcatcgac tccgtccttg acgtcgtgcg caaggaggcc gagaactgcg 480
 actgcctaca ggggttccag gtctgacact cgc 513

<210> 11901
 <211> 333
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136b08a1

<400> 11901

tgaaagagca gacttgaaat tacccactgt ccgtagccac tgatctgcac actcacgtgt 60
 caaggggcat cttcagcacc gctccaccac agatgaacat gaggtggatg ctgcacgtcc 120
 agggaggggca atgcggcaac cagagcagtt cgaagccccg gcgagtgtcg tgcgacgagc 180
 acggcataga tccgactgct caccacgtag aatactcaga tccacaactg cagggcgtaa 240
 acgtgcacta caacgagcct tcctacagac tgatagtccc acacgcagtg ctgatagacc 300
 ctaagccccg aaccatggac aggctgcggt ccg 333

<210> 11902
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136b09a1

<400> 11902

cttggatgga aaagtctaac aagctaaggc ttctgatacc gaatgcacga gatcagacaa 60
 actaggggag gctttcacia ggagtgcagc tggtcaagga actatagcat attgcattta 120
 catcagtcac acatacgtaa accataagga gtacagacag gaggttctac gtctacttgc 180
 tacagcatag caaaagctta cttcaccaga ttatctgagc attagccaat gtcgtatgac 240
 ctcggtatgag acataggggtg tagcaagcat actagagaag cgatgacatt ctgaaaacaa 300
 ggatgatgca ctatcggtcat ttcaaatagc atttgatctg gtagagaatg agcaccatac 360
 tgaactgtaa atgctagaga tcgccttgca ccacctaaat actaaacttt ggaaactgca 420
 cagtcaaaac ccagtgcagc agctaccact caaaatgccca acgcgaatgg a 471

<210> 11903
 <211> 491
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136b10a1

<400> 11903

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 tgtgcaccct tgccttaccg taaagaacct tagcctgata tctcaacatg cgcttacgat 180
 ttcgtctaca atggccgtgg ataccacttg ctgcagaacc gactagatat taaaggacta 240
 caccgcccac tgaaccgaca tcggacgagc tctctatcaa gacgtggatg acttctaccg 300
 accatgcat ccatataagg agaacttgcg cctgtatcgc atgcagagtg cttcatctga 360
 cgggacatta tcggcataag aagttgctac atagcttccg gagcctgcac tcggaatcac 420
 tagagctagg gatggcatga accgctgggt ctggactcct gtggcagctg cgcacagtga 480
 ttcacggttg c 491

<210> 11904

<211> 521

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220136b11a1

<400> 11904

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 actgggagaa acttgcggtg gaatggacac ggtcctacgc caacggaagc ggccccagtg 120
 gtgaagcgct atgctcctgc caaccagaag aaaccggtca gcgaacaggc gcatagcatg 180
 tgatcggctt gatcggacag acagaaccgg gaatgactga gagaggaatc aagatgctta 240
 tccaggaggt gcacacattg cagatcacgg agatgctggc agcaatcatg gtggtaatga 300
 gaatcactag ccaagagtaa tagctgtagc agggcgaagt tgtatgcgca gctggccaca 360
 ttgcaacacc gcgctggacc tgagcccgac gatcacgggc ccaaggctgc gattctcctc 420
 attgcacgga acaggcttcc tttggaacag gtatgtgaag ctcgctttta gggaagcaac 480
 cgcacatctg agaaacgtac actgcaagcc tgagtgttct t 521

<210> 11905

<211> 596

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220136b12a1

<400> 11905

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ttgccggaaa atgagtcctc cggcaagtgt cgggtgatga tcgctccctc gagaggttgt 120
tgaggttatc gttgttggtc ttcgaagtca tgggttcgat ctgagggtgt gtcagtgtc 180
acagcgcgac gctgttgagt tgaaatttcg ctgggtttga gttgctttgt gactatTTTT 240
ttttctcggc aaccaaacag gaggattcaa aatttgcact gattaattag taaagttttg 300
gcgctctcga gttcgttttg gtgaggattc tgattaagga aatttttctt ttattcattc 360
ggaggagaag cgtctcaaac tctctctctt tctccctcgg ttgtttatTT ttgaaatttt 420
atTTtctttt atcttctatg tagtactgct ttacgtgtga catgtgaatt ggaatgctta 480
ttccagctta tacaaaacag agacggatct ctttctattg ttctcgcttt ggttcttttag 540
cagtagcatc atcatcatca ccataccttg ttcagattct gctactttta ccacaa 596
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<210> 11906

<211> 320

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220136c01a1

<400> 11906

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agcaaagtag ggattcggat ttgcttcatt aatggcatgc agtaacctct cttccaaatg 60
ttgttttagat ggatactgct tgccattcat gaaccaaag agggattcgg atttggttga 120
caagtttttt tttttttctt ttttcttttt ggggggggtg gggaggaaac aaactgtatt 180
acatttttag gttagaagct atttaaaagc tttttactgg ggggttgacaa gatttaacat 240
tatatcatgt taatatgttg tacagttcta tatttgcaat gggaaatgcc ttcggcggtt 300
tttcaattnn naaaaannna 320
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<210> 11907

<211> 557

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220136c01d1

<400> 11907

gcaccacatt cacctgaggc ttccaaagca ttggcttccc ttgcagcatc cactgctgct 60
 gcttcccttg gcatgtcaga aatgcttga aaccccatca acttcagtgg tgccacaagg 120
 ccagctccat ctgcttctag tctgcctnc ttttaagactg tggctctttt ctccaaaaag 180
 aaggctacac caacacctcc aaaaaaagct gctgctgctg ctcttgccaa tgatgagctt 240
 gccaaagtgg atggctcctga cagaaggatc ttcttgctg agggctctct ggaccgatcc 300
 gaaatcccag agtacttgac cggagaagtc cctggagact atggttatga cccatttggg 360
 cttagcaaga agccagaaga ctttgccaaa tatcaggcat ttgagttgat tcatgccaga 420
 tgggcaatgc ttggtgctgc tggattcatc attcctgagg cttcaacaa atatggagca 480
 nactgtgggc cagaagctgt ttggttcaag actggagctc tgcttcttga tgggggtacg 540
 cttgactact ttgggaa 557

<210> 11908
 <211> 483
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136c02a1

<400> 11908

agcgaccacg ctgtccattc tttgccacct ttaatttttg tcctttggcg acctccatcc 60
 atccatgaac ttctccgaca acctccttcg gtagacattg gagtaacata ataagatgga 120
 ccagcaaaac caaaataaca ctccagatgg ttcaggagag gtgcctttga agcgtaaacg 180
 tggtcgtcca cggaataacc caaagccaga ttcagaggag agttcctata tcctagttag 240
 tcaaaataga aggcagaatc ctgttcgtgc tgaacaagct ccagtacctc ctggatttga 300
 aggggttaat ggaaatcaac agcttcaaag ggtcaagag aatcattcaa ataatgcaat 360
 ggtgggccag ctagtttccg gtgtaattga ggctgcattt gatgcaggat atttgcttag 420
 tgtagagtt ggtgattcta atactacttt gaggggggcta atcttcaagc ctgggacgat 480
 acg 483

<210> 11909
 <211> 602
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136c02d1

<400> 11909

gttaaaaatg atgggggattc aagcttgaac gtctttgcga tcaaggctag tgttcacctt 60
 ccttttgatc accgtatgct ggttcaaaat cttactgcac agggttttta caatggttct 120
 gtaccagcct cagcacaagc tactttccca tatttatttg cagtcagtaa gttcttgcag 180
 gcaggaactt ttgaccttgt gggcactatt atatacgaga tagatgaaca tccatatcaa 240
 agcacctttt ttaatggcac tgttgagggt gttgaatctg gtgcttttct tagcatggaa 300
 tccgtttttc ttgttactct tgggggtgca ctcttgtcc tctggggct atggattcat 360
 ggccaaatac agtacctatc taagaaaaca aagagggtc caaaagttga agttgggact 420
 aagactactg atgcttcaac agatgaatgg ctacaggga ctgcttatac tcagtctctg 480
 tcaagcaagt caaagaagaa gaagtagata aacaatttct cacgttcagc cactcactag 540
 actctacat ggatatggca tacagaatcc tgtaactgac tagggttgag tatgagagaa 600
 ca 602

<210> 11910
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136c03a1

<400> 11910

accaaagaca gcacatggga ttttaagtct cttgctgagt tgcaaagcca tcatcaatcc 60
 aatgttgtgt tactataagt atttaacagc atagacacac acccttttgt tctggccacc 120
 ctcagggtgtg aatacaatac cttagcatga aattcaactg tgtgggacta catgttgaag 180
 tttgatttgt gaacgagggt cgctaagtc ttcttaagta ttgcttttct gtcactttcc 240
 ctctgtgttg gtttgctctg atcacttttg tctgcattac aacctgagcc tcagatctga 300
 tctcttgatc caaaaacca tggctgagaa ggtgaccatc atgaaactca aggctgacct 360

tgagtgtgag aaatgctaca agaagggttaa gaaacttctc ggcaagtacc ctcatattcg 420

ggaccagaag ttcgatgaga aggaaaacat ttgtgttcat caca 464

<210> 11911
<211> 212
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220136c03d1

<400> 11911

cgaaagaggg cggctgatgc aaatagggac tggacggaaa ccaccaaga gggncgagaa 60

gcgcgttata gaaaacctgt tgaccggggg agccctccat aacccgagcg ggcgccacag 120

cggcggagcg ggacctcttg agccccctag agagggggaa aagcgcgctc ggggcaaaca 180

cgggcacaga ctggtcccgt gtgaaaaacg gg 212

<210> 11912
<211> 572
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220136c04a1

<400> 11912

gtgggttagga ggattggcaa ttttcttgat cttgtatatg caaagggat ggaagatttg 60

ctggaaccaa ctcttgggtt gtgtaaggct tttctagcac gttcagttag ctgcacaaaa 120

ggcttcagct acacaacaga actaattctc ttaggtgact gtcctcccga gttgagtgg 180

ggcgtgtcg atcccaaca atgcataaaa gatatagcgg actttggaag caatgtcgg 240

gtcttgctag agttgagtgc ctctgcagaa accagtattg ctgatatagc ttctgaatgt 300

gttgtcttac tgctcaaggc agctcctaga gaagccacca ctggtatact aaccaatctc 360

ccaaggtga ctgtgacct agagagctgg agtagaggca ttcctcactt gatcatccag 420

cgaatgcttc acgcttttagg ctatgcttgc angcaatact tactgcatgc aatgatatta 480

tcaatatcca aacctgagat ttcaagaact gaagtcatag tttctgaact caaaaattca 540

ggtgtaccag ctttagccaa gacagctggg ct 572

<210> 11913
 <211> 460
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136c04d1

<400> 11913

cagtactgca cgcgcccttac ggaggcagcg cctcatcaac gcgaactcga cagaagagct 60
 ggagcgggga ggatgttgat gccgaagcgg acggcgcgag ctatactgac gcgaaacgtg 120
 tgcctgggggt gaactacata ggaccaccca aggctgaacc cgaacaatca gatgtcacia 180
 cggagagtaa gcaatgtctg acatggcttg atcaacaacc aagtagaagc gtgaggtacc 240
 tgagttgtgg aagccgcgga tctggctcag tgtgacaact gagagaaata gcaagagggt 300
 gggagaaaag tggccacagt tcatgatggg cagtgaagag gccaacacaa gactacaaaa 360
 caaagcctat acacgacaca agaacagcaa caacaacaat ggattccgag tagagttcat 420
 ggttgccaag agggctcatc gagagaacca atgacagggg 460

<210> 11914
 <211> 197
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136c05a1

<400> 11914

cggaggtggt gaaatccaac tttttactgt gtgttgggggt ggatgcgcgc tctcagtcta 60
 ggtgaagcag gatgtgcacc ggtccaacac agttgaaaac gagggagatc ctggacgtca 120
 cgggagggct agggggcgac cagatcggt caacagcctg gtgagtggtc gacgacgagc 180
 tcgggatata cccgacg 197

<210> 11915
 <211> 138
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136c06a1

<400> 11915

cggaagcgca aaaaagcaac ttttcacggt gtgaccgacc agaaccacac acccggggcca 60
 cagggagcag caagagcacc gaaccacac aggccaaaaa gagggggacc ccggacgccc 120
 agggaggagc aaggccgg 138

<210> 11916
 <211> 107
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220136c07a1
 <400> 11916

cgggggtgta gaaaaccaat tttttacttt ttgaggggcc ggacgcccgc acccagggga 60
 aagggagcag gcaaagcacc ggacaaccac aggggaaaac gagggag 107

<210> 11917
 <211> 556
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220136c08a1
 <400> 11917

tgtatgtcac cattttactc ggaggctgtt catccagact ccaaagttag acagacgatt 60
 cagtgcgtta gttgtggttc aagcatgtgg atcaatggta acagaggagc agcctcatgc 120
 catgttaata ccaatggagt actttctcat gggatatggc ttgtacaagc catccaagct 180
 gagtgtcagc ccaagaagcc ccttgagccc atcttgcatt tctcccgagc ttactcgcc 240
 agagagtatg ggtttgaaat tgaaacccat aaagacacga atttctctgg aaatctagaa 300
 gtagatgaat aaaaggctgg gaaaatgggtg ccccttctca tctgttcatg aaagaacaag 360
 ttcatgattg tatggttagt gggaatgaat gaggggatgc catgccagat cgttgtagat 420
 agggggagat aaggaaataa gaaatcaaca aaagaggaaa gaaatgggaa gcggttagta 480
 gaaatcaaca tatagtgatt ctttcatttg taatcaatca tagatcatag attttagtca 540
 atgagtttca aacctg 556

<210> 11918
 <211> 485
 <212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220136c09a1

<400> 11918

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gccacaacgc gctattaggc catagacgaa ctacgcggca aacacaccac gagacggcgg 60
ccgaccttag atgttaaact ttaaaaaccc aaaccctcaa aagccggaaa cngagaaaca 120
gacaacaggg aaggactcca gggacaagca acccgagaaa acgacagaaa cagacgaaag 180
ccacgcgaaa acgaccacca gagcccgcaa acagcaaggc ccacggaccg gcccacgaaa 240
ccaacagcac accacccaac agccaggacg acgacgaaga agcaggacac caaaggccga 300
agcacaacga gaaagacaaa ccgaccaccg aacaaaaacg aaaccaccac cagaagatac 360
agcctaaaaa gccagccctc caacaccacc agcgcacaca gaagagcaac cgggcccgtc 420
tccccatcca gaccggggcg caaatccact cagaccgaca aaggggaaat gcgaacgaac 480
ccggg 485
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<210> 11919
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220136c10a1

<400> 11919

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gacatcaacg gactgcttga tgctattgac agaatttgca cgcgtacgag cgactaaac 60
gcgggtcgag cgatgatgga gagagatgaa gagaaagatg ctctgaagc gagtgtgctg 120
cacggcggtg tgaggggaac gattgacgac gagcagcgcg cgtatatgga ccggggaatc 180
gtggccgaac aggatggaac caaagccatc gggcaatatg ctgaaaaccc ctgcagagcc 240
ctctgatgtc accgacagta ccgaagaact gagcggacat atcgtcactc ccaggagaaa 300
gcaacacca cgttcatagc taccaacaaa cgccagagg cacaccagac gatgtggatc 360
caaagacctg gctgcatgag cgcaactggc catacgaaac gaacatgagc gaacaagatt 420
cgtacctctc tactttgctt tgcggg 446
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<210> 11920
 <211> 404

002220" E T T E S S O

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220136c11a1

<400> 11920

tttatttttt atgttttttt aaccaaagtc ctcttaaacc aaaaacgcc a tccccgcaa 60
cccaggcgac cgtttttaagg tctaaagccc aacacaaacg accaagccac ctttcggggc 120
aagtaccact tgactaccac caccgcccac accctaaaag cccacccgat gcaaaacaag 180
cacgaaaaac ataagaggaa cacacagacg ggaaaaacct aaaaactctg acaaggaaac 240
gatctcatgc tacaagaaaa agaaaaaagc gccattcat caatagcact tgcaaacgga 300
actctagaac ggtggcagac acacacagct ctttgcaaac ttactcaga cttaacgggtg 360
gggaaagcga gaggccaagc caagttcata agccttaaaa agac 404

<210> 11921
<211> 571
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220136c12a1

<400> 11921

ttttgaacta ctctacaaaa tgaccaagtc ttctaagtc gaagtgattg ttgacagaat 60
gattgattac atgattagca taagtgatga tcattataaa acatatatag catctcgatg 120
tgtcgaactt gcagagcaat ttgctcctag taatcattgg ttatatacaga ccatgaataa 180
agtctttgag catgctggag atcttgtgaa tattaagggtg gcccataatt taatgcgatt 240
gattggtgaa ggatttggag aggatgatga tgctgcatat agtcagttga gatcatctgc 300
tgttgagtca tatttgcaaa ttattgggga gccaaagctt ccgtcagcat ttcttcaagt 360
aatctgctgg gttctggggg aatatggcac agctgatgga aagtattctg cttcctatat 420
cactgggaag ctatgtgatg ttgcagaggc atattcaaat gatgaaactg ttaaggcata 480
tgccgggttc agcatthaaca aaaatntatg catttgaaat agcggctggg aggaagattg 540
atatgctacc tgagtgtcta tcttttattg a 571

<210> 11922

<211> 568
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220136d01a1

<400> 11922

ggaagaacat ggctacagga acggatcttt gttgtttcat cctcccagaa gccgaacttt 60
 tccctacaag gttccaagtg aagtcatacc ttggaaggcc atggaagcaa ttctcaagga 120
 cgggttgatg ggaatccacc gtgggtgact tccttcaccc cgaaggatgg tgcccatggg 180
 ccggtgaaca cttcgaagac acctgtact atgctgaata caacaacgat ggacctggtg 240
 ccaacgttaa cggaaggatc aagtggaagg gttaccgtgg tcttattagc cgcgaagaag 300
 ctaccaatt caccctgcc cagttcctac aggctggagc caacggtgga agcgactggg 360
 tgaaagctct ccgtgttctt cagcactta gttcatgaa ggcttaattg aaattacaca 420
 aacacatata catgcatcat caattgagta ctgttagaga gtgtgatgat gagggtcata 480
 gtccgtagac caattgntat tctttggatt tatctttgga ggtctaccgg anatattntt 540
 aatgaaaatt tttaaaattg ctttgatt 568

<210> 11923
 <211> 596
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220136d01d1

<400> 11923

ctgaggagtt gaaattaaat tatccactga ttgttggtt ttatctccgc actccgtctt 60
 catcagtcag catcaccacc gctccaacac aggggaaaat gagggagatc cttcacgttc 120
 agggagggca atgcgggaac cagatcggtt cgaagtcttg ggaagtgggtg tgcgacgagc 180
 acggcataga tccgacgggg aagtacgtcg gaaactcaga tctacaactc gagcgcgatga 240
 acgtgtacta caacgaagct tctgcgggc ggtttgtccc acgcgcagtg ctgatggacc 300
 tggagccccg aaccatggac agcgtgcgga ctgggccgta cgggcagata ttccggccccg 360
 acacttcgtg ttcgggcagt ccggcgcggg caacaactgg gccaaaggggc actacacgga 420

gggcgcgcgag ctcacgcgact cgcgccttga cgtcgtgcgc aaggaggccg agaactgcga 480
 ctgcctcagg ggttccagggt ctgccactcg ctgcggcgag gaaccggggt ccggatggng 540
 accgcttttg attccaagat cagagaggag taccctgaca gaatgatgct caccct 596

<210> 11924
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136d02a1

<400> 11924

gggaagtgtt cacagcaaca tttttaccta tagttgaagg gcaggcgcg gcgcggggac 60
 gagggagcag ggaaagcaac gaacaacccc agacgaaagc gacggagatc ctttacgtct 120
 ctggaggggt aaggggcatc aaaatcgggt caacgtctgg tgggtgaacg acccccagca 180
 cggaatctga cccactgagc tacacgaact aaactggcac cccagctgc tgcgccgtga 240
 tcggggggac aacgagtgtt attacagaat gtaagggcaa cgcccgcag 289

<210> 11925
 <211> 579
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220136d02d1

<400> 11925

gatccatgta gccgatctca cctagtggga ttatgctttg ttgttggtgt tgtggtggtg 60
 gttttgtgat tattgggctg ccatggatct ggttggatct tctggtttga gtcctacagg 120
 gtccaagtga aggtcaaagt ttcgtttttt aatgggtgag tgattcagct gctgaatgag 180
 tttgaaatgg tgggtcagtt ttagctgaaa aaaggggtgt gaggatagaa aatgaagcgc 240
 aaggtggttc agcacaagtg gaagaagaag ctttttgctt tgatcttggg ggtgttttgt 300
 ttaggaagct tggtgtttat gcagacacgt taccatcatg ttgcgggggtt ggtttcattg 360
 caacaccgtt ttgtttctga gcccgagggt caagggccca aggttgcggt tctcttcatt 420
 gcacggaaca ggctcccttt ggaaatggtt tgggatgctt tctttagggg aggcgatcgc 480
 aaattctcaa tntttgtaca ctgcaggcct ggggtttcttc tcaacaaggc aacgactaga 540

tcaccatatt ttttgaatcg tcaagttaat gatagcgta.

579

<210> 11926
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136d03a1

<400> 11926

gggaattggtt gacaccaaaa tttttactgt tagttgaggc gcaggcgcgc cctcagggaa 60
 gagggagcag ggtaagcacc ggaccaccac aggtgaaaac gagggagatc cttgacgtct 120
 cgggagggct aaggggcaac cagaaacgat caacagcctg gtgagtggac tacgcccagc 180
 acggaatata gccgactgag cagcacggag gaaaccggca tccacagctg gtg 233

<210> 11927
 <211> 515
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220136d03d1

<400> 11927

aaaacctata gcgaagagcg tgaaggcacc tgctggcggc catgacattc aagcgcacga 60
 acggaggctcg aaacaaacac ggccgtggcc atgtcaaatt catacgatgc tccaactgcg 120
 gcaaattgctg cccaaggac aacggncatc aagaggtttc ttgtgaggaa cattgctgaa 180
 caagctgcag tcagagatgt gcaggaagcc tgcgtctatg aacaatacac gcttgcgaaa 240
 ctatatgtga agatgcagca ctgcgcttcc tgtgctatcc attctcatga tgtgagggtt 300
 cgatcccgcga ctgataggag gacgcgtgag cctccacaga gagttatcac gcgcatggta 360
 acacttttta tagccatctc tatatagcca aatggagatg atatagagag tgacatttat 420
 gcactcagaa gagtagttat ggccgaatgt acagaatgtc atgccattat taggttggtt 480
 aaagatgaca ctgaatatgc tataactctga cctta 515

<210> 11928
 <211> 169
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220136d04a1

<400> 11928

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gaggaagaag aaaaagaacc gaacaaccac aaccgaagag gaaggggaaa ccgcacccac 120

agggacgagg aagccgcaac cagaacgcac cacaacgccg gaaagagga 169

<210> 11929

<211> 563

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220136d04d1

<400> 11929

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aacacagcgc acctcttctt cttcttcttt cccttcaaatt ttcaacttct tcatccattt 120

tgtgctccaa acagcacaaa cacttgaatc acaccgtctt cgctttctac tcatctaaaa 180

gatagagggt catggggtgc tttggcttct gcaaaggaga tgatagtgtt acagttgctg 240

acagaggacc tttcatgcaa agcactccta ctgggaaccc cagttatcat ggaagacaca 300

cagcagtaac tgctcctcgg actataaatt ttcaacctat tgctgtccct tccatcacag 360

tagatgaatt gaagtctttg acagataatt ttggctcaaa atatttcatt ggtgaggggtg 420

catatgggaa agtatatcaa gccacattga aaaatgggca tgcagtagta ataaaaaagt 480

tagattccag taatcagcca gagcaggaat ttctttctca ggtctncatc gtatcaaggc 540

taaagcatga taacgttggtc gag 563

<210> 11930

<211> 535

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220136d06a1

<400> 11930

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aggggttgcg atagaaagcc atgccagaga ctaatatattt tggcatgctg tttggccaaa 120
 cactcccatt ccaagttcat tgcgagatct tctaaagcct ggcctgcaa gtgttgaaat 180
 cgatgatcac cctatgcaaa ttgaagaaac acagtaccg aaaaccttct tctataaaga 240
 agaccttcat ccaggcaaaa caatgaaagt acaattcagc aagcctccct ttcaacaacc 300
 atgggggtgtt ggtacatggt taaaggaaat taaagacact actaaagaag gatatagctt 360
 tgaagagcta tgcatacaaga aagaagccat tgaggagaa gagaagtttt gtgcaaaatc 420
 cttgggaaca gtaattggtt ttgccatttc aaagctggga aagaacattc aagtactttc 480
 aagttccttt gtcaataagc aagaccaata cactgtggaa ggagtgcaga atctt 535

<210> 11931
 <211> 556
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220136d07a1
 <400> 11931

tgccatttca atccccagtt tcttcttcaa tgccctctta cgagcagatc ccaattctcc 60
 ttcccagttt caaacccctaa ttccctcatt cccatggcct cagaagagcc cactgtcgcg 120
 gtggaaccg ctcccgaacc tgccaccgtc gagcctcccc cggaggagaa ggaggagccc 180
 aaacctgaag ccaaggctaa gaaaaccaag gaacccaaac ctaaaaaggt ttccagacca 240
 cgcaaccctt ccaatcatcc ttctacgag gagatgatta aagacgcaat tacctcgctg 300
 aaggagaaaa ccggttcgag ccaacacgag attgcaagt tcatcgagga gaagcacaag 360
 cagcttcac cgaacttcag gaagcttctt ctctaccatt tgaagaaact ttagccgct 420
 ggaaaactcg tcaaagtcaa aggtccttc aagctccac ctaccgacc ttctgcatct 480
 tcttcttctt cgccggcgaa gaagaagaag cccgcacctg ctaagccca acccaagccc 540
 agcctaagcc taagcc 556

<210> 11932
 <211> 528
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220136d08a1

<400> 11932

ctaaaaccct ccttgggtctc tctctctact tgcagatcaa gccgcaccaa ccgttgtggc 60
 tgtggattcg gttggggctc ggagtcgcta tggcttcggc ttcgtcttcg tctccaagc 120
 tatgcttcaa ttccgactgc aaagaagttg aagtcgaaa gacctaataa agggcggaga 180
 ctccgcagcg gagaactagc cgagctttgt gatcgatgct gctctgcttt tgaagaagg 240
 aggttctgtg aaatttttca ctcaaagct tctgggtgga ggagtagtga gacttgtcca 300
 aagcggattc attgtgggtg tattgtttca agtcatgctt ttatgctgat ggatcccgga 360
 ggaattgaat gttatgcatg tgcccgcaaa agtattattt tgccatctaa cctgccttgg 420
 ccacagtcct tcccccttca aaatcgttta tcggatagac ttagagacct atctggcaag 480
 gttggagtca gctaactgga tcaggtactg ttccatggaa gcaagcac 528

<210> 11933

<211> 555

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220136d09a1

<400> 11933

tgaggagcct gctgatcttt agaatttggg gcaacgacat cactagacgg cggccgagct 60
 tggaaacttt tgtttgaaag cacaacaact tcgaaagaac aaaggcgaac gctgaaacgc 120
 accgggggac atcaccactt acaaaagcca aaagcgggga tctgaccgaa agaacatgat 180
 ccaaaaagac gtcaaataaa tactattgta cagacaaaga ttagttttaca aaagtcaatc 240
 ctgtggcgcc tttgagttag tcagatggaa ttgaagtga taaaagaatt aattctggtc 300
 gtaataacca agaaaggtct tggcagcatg caagctaggg aaataagtgg ggtcaaggaa 360
 tatcttgggtg aaccattat tgggctcgga gctacgcacc ataaccgcta caacctgctt 420
 atacgcgtag aagaacctct ccatggccac ctcaatgccc tgcattgcgt gcaaaacatg 480
 aacctaccct ctctatgtct ccgagtaaac cttgctgggt cggcgtcata atcgcggggc 540
 cacccttggg gtcca 555

<210> 11934

<211> 317

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220136d10a1
 <400> 11934

ctttctgctt gcgtggtaac gaaagcaacc ttccagaccc gtgtcaaaca ttacttgaca 60
 agcgggggaa gcttctgagc ggccgcaccg cagtgggaca ccaacgctac cactgtcctt 120
 accaacctat caagatagga cccattgcc aaaacgtgc gacagtctga tcctcaccac 180
 gtgactgata tgtacgaatc agaacaggac gacatggatc aatctagcac gtgacgactg 240
 actcaacgac aatgactcca gggagaggag gaggcagatg ctgagtgcac aaagacggaa 300
 ggtgaagatg gagcact 317

<210> 11935
 <211> 482
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220136d11a1
 <400> 11935

ggaaaagatg actctaggcc acggaagaac ttgcggccaa cagcacacag acggggccga 60
 cctttgatgg aagatttaaa aacaattttc taaacgcaa gtgctgcacg gtggtacgag 120
 cgtaactatt tacagaggag catcgcgct atatacacag aaaaagaaa ggggaacacg 180
 aaaaaaaca agcaagcgga caaactgaaa aaaatcccc cagagaccac agaagacgcc 240
 gacaaaacc caaactgagc ggacacaacc caaggcaaaa aaaaataaac acccaciaac 300
 agagctacaa acagggaacc agggggaaaa aaacgaaga ccaaaaaagg accgggccga 360
 acaaaaacac ccggccaaaa aaacggacat gaacgaaca aatgcgtacc taaatagggc 420
 ccaagaggg atagaacca aacactacag aaaaacctgc cccgcggaaa ctgggggaca 480
 ac 482

<210> 11936
 <211> 521
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220136d12a1

<400> 11936

cttggatgga aaattccaac aagctatggg tactgctacc gaatgcagga tattagataa 60
 actagaggat gcattttacaa ggagtgacaa tgttcaagga actttatcat attgcattta 120
 catctctcat tcctttgcaa accttacgga gtacagactg gaggttctcc gtctccttgt 180
 tacagtatth caaaagcttg cttcaccaga ttatctgagc atttgccaat gtcttatgtt 240
 ctcggatgag tcagaggggtg ttgcaagcat actagagaag cttttacatt ctgaaaacaa 300
 agatgatgca ctttcggcat ttcaaatagc ttttgatctg gtagagaatg agcaccaagc 360
 ttttcttcta aatgatagag atcgcttgc accacctaa gttcagcctt tggaaactgc 420
 acagccaaaa ccattgaga cagcttctac tcaaatgct agtgcgatg gacaggatga 480
 tggtcagatg accgatgatg attctgatcc tatgggtcaat g 521

<210> 11937

<211> 464

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220136e01a1

<400> 11937

cgggattgtt cactggaaca cccttactgt ctattttttg ccaggggagc gcgagcaaac 60
 gaggcagaag ggaaagtaac caacaacca acacgaaagc gaccgagatt ctttttctct 120
 ctgtatgcct cattgtctat atcaatcggc tcaccttctc aatgattgaa cgacacacag 180
 tgaggaaact gaacccttgt gcttatccag ctaaacaagc acaccatttt tgtgtctgtg 240
 tactgggggg atagcgattt ttatcacaga atgtaagggt aacgtccgca gaacttcagg 300
 tttagcaatg aagactgggc ccaagaatag ctgcaagcgt gcatcacaca ggctctgtaa 360
 ggacacggcg aagaaccgag aggatgactc gccactgatg gttctggatc tgcagactgc 420
 taggaaggag agccgcacgg acgatgctgc ggcgcttgac gagg 464

<210> 11938

<211> 505

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220136e01d1

<400> 11938

attataggtg gcagttaggt actcacaagc tacaactgct aatcactcac tgaaatgctt 60
 ttactgggtac atgggtcaata tcaagtactt aaatagtgaa tctagtgaca gtccccctaa 120
 ttatatatgg agatacctta tatcaagctt tattaggttg caacttctat cttcatttgc 180
 tactggatcc ttttgttata ctgtacaact taattcgcta tgtcataatt atagcgccaa 240
 ttcttgttct ctgatgatgc tcttaaagaa atgcctagca tgatgggtgc cacctattgg 300
 gagttcgata gtgattcttg tcatatcaaa atgctgggat caacaccaga gccacctaaa 360
 ggatcttaaa gcagcattga ttgtgattgc tcttttgcaa ataacacctg ccatgtaata 420
 aggatgtcaa tatcactgta tcttatcctg aatgctttga actttgaagt agtttatgct 480
 acggtatgca ttcggatata gctag 505

<210> 11939

<211> 541

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220136e08a1

<400> 11939

gtgaagggcc cagacggcca ccgtctaggt cagggtcagg gttttaattt tcgccacaca 60
 acagcaacag acactacctc actgcttccg ttacaggatt tcaatcgctt cgactcgag 120
 ctcccatggc aaaagctact tccggaaccg tcaatcctca cagccgtacc ggagttcgga 180
 ttgtcgtcgc cggagaccag ggcaccgga aatctagcct catcatcacg gccgccgccg 240
 aaaactttcc ggtgaatgta ccaccggtgt tgcctgccac gcggttgctt gaagatctgt 300
 atccggatcg cgtgcctatc accatcatcg acacctcttc ccgtgctgag gatagtata 360
 aagttgctga agaattgcag agggctgaca cagttgtcct tacctatgca tgtgatcggc 420
 ctgagacact tgaaaatctt agtatatctt ggctttcaca tcttcgcaa ctagaggatga 480
 aagttccagt tatagtagtt ggctggaagc ttgatttgag agatgagaat cagcangtga 540
 g 541

<210> 11940

<211> 456
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136e09a1

<400> 11940

tgcactccgg gttattatth cattagacga agtatgcacg catacgccgc atcaaactcg 60
 gctcgagctt taatacttaa atttaaaaaa ccaaagcctc actaaccgga aaaacgaaag 120
 cccacaaacc gagcaacact ttggagagac aaaaacgcag gagacaacgc ctcgaaagct 180
 ggaaggccca aggaacagga aaaacaaaaa cgagagcaga aagacaccgc aaaaagcaaa 240
 agccacaaaa cacggaaaca cggacacaac gcaaaaccga aaacagacga aggaacaaaag 300
 cacagacaaa aaccgggact aaaaaaaaca ggggcacccc aattgaacca tacacatata 360
 gcggcacaca agtgagacca gttcccaagg aaccaagcct aatagggaca taaggatgta 420
 caacacccca cagggcataa acatactctc catgga 456

<210> 11941
 <211> 612
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220136e11a1

<400> 11941

ganaactagg actcctgcta ttatgacgaa cttgcaggca tacagaccct actaaactgc 60
 ggtcgacctt tttttttttt ttttttataa accatgacat accatatacc acttataaaa 120
 acaatatatt catggggatc attcgttcgg atttcataga gacatactag ccaaacta 180
 actaaaataa aaaagcaaact ctaaagagaa aaatctacaa accaataact agagaacatc 240
 taaacttatt catcttcact acttaacctt agaagaagcc ataattatct aacatcacgg 300
 atggtgaaat attattctct aaacacaggt tcaattcaaa cttaatcaac ctttctgggg 360
 aggactcgcc ttgtcccaaa acttcaagtg cacagctctt tcttccagca tttgctcaac 420
 ttcttccatt ggaactccct tgggtactgg cacgaaaatg agaacgaaga agatgccaat 480
 gagagcaaca gatccaaaca acatgaatgt ccatgctgtc ccaatagcca cagtcaaagt 540
 caagaaagac tgggaaacaa tgacgtttga aacccatcaa gttgtaaaag caattcctcc 600

acatacccca cg

612

<210> 11942
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220136e12a1
 <400> 11942

cttagctgtg aaatttaaaa aaactcatgc ctcacgacca ggatgcaaca taacacttaa 60
 ttccgggaaa gttttaaccg cgcctaacag tgttcataac atgggctata aaattaacaa 120
 cctggtgagg taattaatac ccatagagca gttcaaggcc agcggaatag gcagacgacg 180
 cgaggcagga gatcatcaag attgaggaac gcataatatc cacatgaaca caacataacc 240
 ggatacatag ggaatataaa gggagccaac gaatacatta ataaccgccc tcatctgata 300
 ttaactgaca gctgcgactt gcttacgcat aattctactg cccatacaaa tagagaagcc 360
 atactgacgt tatcgatca 378

<210> 11943
 <211> 575
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220136f01a1
 <400> 11943

gaagtacgtt taccgacata aggaaactct ctctcttttt cgccagtttt ggactttgat 60
 ccccgcaaa tattgtgtaa tcagactagt cactaatctc tttgggtgac aataatagtc 120
 aaaataccag tgattgttgc acagaaaatt tgcccatgta tttatacctc agcccaccat 180
 gaaattaggt aacaaactgt gcattttatg gtacctgcaa ttggttggtt tactatttcc 240
 agctgacttt tgtatttggt ctttgctttg aaatgggttg gactagtata tatttggttg 300
 gccatctggg gtaacaagat tgtgacacct gaaatgggga tcatcgtata catatattat 360
 aaaatttttt aggccgtggt tgtcagttct agttgagggt cgattgtttc ttgaccaat 420
 tgttcagtgt ggggtaagga tatgttcttt ctagttcttt agaagccata ataataaac 480
 tatgctaata agtggctctt cctatgattc acttagtggt aaatgggttg tgttttatga 540

575

ctaaaaagta aaaattcaac aacccaaggt tttctaacc gaaagcagga catcagacaa 60
acaggggggag gctttgaaac ggaccgacgg ggctgaaa 98

gattagttaa	caagttccca	ttttaggggt	tttctctctc	tgnctctctg	actcttgtct	60
tctgcacaca	accacatgcc	ctgggggggaa	atccccaata	atggacgaag	gtgagggagg	120
cgatcccatg	gatcagttcc	accgtaacga	ggctatatcc	gctgtagctg	acgacggttt	180
cttgggcgag	gaggacgacg	attacgagga	tctttacaac	gatgttaatg	tcggcgaagg	240
gtttcttcaa	tcgttgcgga	agaacgagga	ttcnggggtt	tcggaacgac	gtcgtcgagg	300
acaaaaagcc	cgtgcagcag	cctgatcaag	atcccgttgt	cgggggtttcg	ataccgggtg	360
tcagtgggtg	ccgtggaagt	ggaattgtgg	aaagcaaggt	ttctgggaat	gttgatgggt	420
tacagaatca	agggtttaga	aggggttatt	ctgggtggagg	aggtggatc		469

5469

<400> 11948
 agaaaaaata atggcaattg gctttcagtc ttctctcaca ctcttctctc tattttcggt 60
 tccctgactc acttttgctt ttgccctat ccttcccaga tttccttctt cagcagttag 120
 tgcagagctg aagcaacgct cacattcttc cccaaaatgg gctttacaga acaaaattct 180
 tcacccagat actggatcac ttcaatttca atcccaaag caatcacact tttcaacaaa 240
 ggtatctcat caacgatacc ttttggggtg gtgccaagaa caatgctcca atctttgtct 300
 aactggcaa tgaagggaac atagaatggt tcacacaaaa cacgggcttt atgttcgaaa 360
 atgctccttc ttttcaagcc cttttgggtt tcatcgagca tagattttat ggaaaatcaa 420
 taccatttgg gggaaacaag acggttgc atgcaaatac tagcacactt gggtatctca 480
 gctcaacaca ggcattagct gattatgccg ctctcatcat tgatctgaag aagaatttgt 540
 cagccactga ttc 553

<210> 11949
 <211> 190
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220136f04a1

<400> 11949
 cgggattgtt cacaccaaca tttttactgt ctgttgagga gcaggcgcg gcgcggggac 60
 gaggaagcag ggaaagcaac gaacaacccc agtcgaaagc gacggggatc ctggacgtct 120
 ctggacggct aaggggcaac cagatcggat caacagcctg gtgagtgaac tacacacagc 180
 acggaatcca 190

<210> 11950
 <211> 224
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220136f05a1

<400> 11950
 cggaattgta cacaccaaag tttttactgt ctgaggaggg gcaaccgcg cctcaggcat 60
 ggggaagcat gatgagcacc gaaccaacac agtggaaaat gagggggatc ctgcacgtct 120

[illegible]

<400> 11951

<400> 11952

5472

<210> 11953
 <211> 486
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136f08a1

<400> 11953

gataaaccgg gctgctagct gctatagaga gtcgttcgca cgcgaaacagc gcacactgaa 60
 caccggccga ccttttagaac ttacaattta agaaaccaa acctcctaaa caccaaaggg 120
 gcaaacaaaa aaccgggagc gacattttgg agcaaacgaa cccgagcaac aaaaccccgc 180
 ccgacaacgc tctaacaagg ccaacaaagc aaggcttgca aaaaaaacia aagcaaact 240
 aaccaccaag aagcaccagg gcaagcacgc atgggggcat gcctaccaac attaaaaaaa 300
 aatggaggaa gaaaaaaaa accaacagca acaacaatta agggtaacca acatggctaa 360
 caaggccaac caactatgca cgcaaaggca ccggaaatcc caggcaaacc accagccaga 420
 gcgccacccc tgggcatcat gaggagaccc catgagaagg ccgccagat gggggaacct 480
 gaaggg 486

<210> 11954
 <211> 585
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136f09a1

<400> 11954

gctatcgtgg gtaattgatt catttaagaa tttgcacgca tacagacctc actagaactc 60
 cggtcgagct ttgttttttt ttttttaatt acagatagcc tcctttatcg ataataaaaa 120
 tgtcatgttc acaggggaga catttataat cctttatcag gttgcctacc cttacacttt 180
 ggaacctttc aaatcatcaa tcacagcttg ttttttgatg atgcaacaat cgaaccata 240
 ctttgatggt ttgagatctc aaaccacaaa gccatgagtg caagtgcac atctcgttca 300
 ataaaaacta gataactaat aaagtatagt ttgtagtaat aaataaataa gcatactctt 360
 ttaaatgaat ctatacgtct ggacgctcat tctgatcaaa aatacgatta tggcaagtta 420
 ggtcgcaagg gtaggcacaa tctatctcac ggaagggcct tcgatcataa aaccaatcac 480

ccactgcctt tgcaattgat gtcttggcca ccactgggga gtcatttctc agccatgtct 540
 cttgaattcc aaattggcaa tgtgcatagc aaccatctat aaaat 585

<210> 11955
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220136f10a1
 <400> 11955

gatgaatata aaatggacta aaaagcggcc gtcctgagaa ctctctagga aaaaacgacc 60
 ctgtgaggca accattgaag caattccgcg gaatcatggc ggttacacac agagttacaa 120
 ccgactacaa atggaataac ttgagcgcct ggggtggcgcc ggaccttctc ttacccgata 180
 tcaacttgaa ctctgcatga gcatctatcg aacagatact atgatcaaca cggacgggaa 240
 agactctcgt caaagcacta gaactgggtat agcagcttat gatgacgagg gacatgccac 300
 agggaccggg aatatgcaga gtgcagtagc ccatatgatg actgccggta gcggtctcagg 360
 tggacattct atcgcatgga gcactttcca attaggatgg a 401

<210> 11956
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220136f11a1
 <400> 11956

gacacagcgg gtgctaggac tatgacgaag ttcgcaggca gacagagcac actaaacggc 60
 ggtcgagctt tgttgactc gctttttacaa agcaatcctc ataaaccgag gaaaaaaaaa 120
 gaggaccag ggagcaattt gaaggaaaag accgcggaga cagccataac gaagcaaac 180
 aggaaagccc gaggggcaac acacaaacag ccaaaccgga aaccggagaa tcaacaacac 240
 caagaaagag aaagcgacgc cgggcacgac aagaagaaca cccaataaag agaggaacag 300
 accggaacag gagaccacg agaacgcaa cggaacgaga gcaccgaggc aaagccaaag 360
 gtgccaagac aactggaccg ggtaaagcag ggacaccgaa aaggccaagt caagacacta 420
 agactacagc tattgacaac ccaagaacgg caaccgcaac a 461

<210> 11957
 <211> 136
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136f12a1

<400> 11957

ttaaaaaaca cactttataa ccaaacacac ctcatggaca gcaaccaaat ccggccattc 60
 accgcggagg acttctctca ctctacagc ctatacgaag acacagactc taacaacagt 120
 ctgaacaatc acaaca 136

<210> 11958
 <211> 611
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136g01a1

<400> 11958

tggtgtatct aattcgatga ccctatgccg cgtacgtagc tcggattcgt cagtacaaac 60
 tcagtttcca attcaccata ttacattttt tgatctagat tggcaaacia agatggttca 120
 ctccaacatc atgcttccaa tgtcccccaa actctctctc ccggatcata acattccaat 180
 cccaactttg caactcccc ttcgccaaaa cgacatcacc gcagcgtcgt ctcttatctg 240
 cgctgcatac gacaactacc ttcgtctccc tgagctcaga gccctctggg cctccaagga 300
 cttccccaat tgggccaacg agcccatctt aaagcccgcc ttacacgccc tcgaaatcac 360
 cttccgctta ctcgcaaccg ttttctccga cccgagaccg tacatcaaca aacgcgagtg 420
 gacccgacgc gtcgagtctc tcgccacggc ccaaattccag atcatagcca tgttatgcga 480
 agacgaagaa gaaaaccccg agacacgtgg caaggcaccg gtgactgaca ttaacggctt 540
 taccggtcaa agcagaagct acagcgagga aagcctgctc ccgcgcctcg ccacgtggca 600
 gaaatccaag g 611

<210> 11959
 <211> 364
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136g01d1

<400> 11959

gaaagagaac gacacgtcaa aaacaataac gggcagcacc cacaacggga accggcgcgcg 60
 tggaaacccc cgtgggaaac caaacctccc aaaccaagac ggaccaaccg aagaagcagg 120
 ggagaccacc ggggcacgga gacccccaaa ctcccgaacc gaccgaaacc accaagccca 180
 gcaacaaacc ccacagcaaa gagaccaaaa ccaaaaaacc gaaacaggac gaagacccccg 240
 cagcgagaaa cgagccgaac acgggagaacg aggcaacgca gcagacgaag aaggcaggcc 300
 ccgcgaaaaa aagcactcaa aagcaacagg ccgaaggaga agcgagaccc aacgaaagcg 360
 gaga 364

<210> 11960

<211> 414

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220136g02a1

<400> 11960

ggaggcagcg aagaggcggt gttagtaatt taatttgcatt tattgaattg aattcctctg 60
 ttctattcga ttccatgcga gacagagaca gaagaaaaga ataaattata aaagcagcag 120
 caaagagtct tgatcttgat ctggtggcaa acgatggcgt ttcgtggtct cgggtgtgtg 180
 ttggtgtgtg tggttgtgat tggcgcgggc gccgacgatg ccaaacgcga cgacgacagg 240
 gctcccaagt cggaatcctg caataacccc ttccaactgg tgaagggtgga gaactgggtg 300
 gatggtgagg aagggcatat ntataatggc gtcagtgcga gatttgggtc tgtgttgccg 360
 gagaaacctg acacagtggg gaaactccag caatattcgc tgatccctta gact 414

<210> 11961

<211> 499

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220136g02d1

<400> 11961

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tgatgagaac gattgacgag gagcagcgag tgtataggga cgggggaatc gtggttgaac 120
 atgataaaat caaagcaatc ggacaatctg ctgatacctt tgcggagttt tctgatgtcg 180
 ccgacagtat tgttgatctg agcggacata tcttactccc aggatttatt aacacccacg 240
 ttcatagctc ccaacaaatg gccagaggca tagcagacga tgtggattta atgacctggc 300
 tgcattgagcg catctggcct tacgaatcga acatgagcga acaggattcg tacctctcta 360
 ctttgctttg tgggattgaa ctcatctact ccggtgtaac ctgttttgcg gaagctgggg 420
 gccagcatgt ttctgggatg gctagagcag ttggcttact gggtttgcg gcttgcttaa 480
 cccaatcaac catggactc 499

<210> 11962
 <211> 345
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220136g03a1
 <400> 11962

cgccgagtga ctgacacgtc ttttaccctt gttcttcact tgcacttgat gctaaagagc 60
 cttactagat tataccaaga ggaatgcact tgcgacttgt gtctttcacc aatggcgctg 120
 actctagatc tatacgaggg tggagctggt ggagtcgctg tcatcacgat gggcatacca 180
 cccaagaatg ctggagacaa tacaactagc atggggggaga caaacagatc agatgatgca 240
 tctaggagga gtgatctgag aacgctatgg gagactgtga aaggaaggac attatctggt 300
 ggatttgata tcagtgatat gcagcaggtg caccggacta aggac 345

<210> 11963
 <211> 620
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220136g03d1
 <400> 11963

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 agttagcaga aacatgctgg agaattctca ggctcctccg ccaacggaat cggccccagt 120

ggtgaagcgc tatgtcctc ccaaccagaa ggaaccgttc tgccaacagg cgcaaatacat 180
 ctgatcggct tgatcggaca aacagtatcg ggaatgactt agaaaagaat caagttgctt 240
 attcaagaag tgttcacatt ccagatcacg gagatgctgg tagcagtaat cttcttaatg 300
 agaatcacta ttcaagatta atagcttttag aaggggtagt gtancctgca ncctgcccag 360
 ctgcttaatg atcgttggac agctgcacta caatcctaca ataatcccaa agattcctct 420
 gaaaagccag ttatgtattc gagtgggaca tcaggatgga ctccgttcag acctccttaa 480
 caggacttgc ttggagaact tgcgaggcaa atgcacagtg cttattctag gtttaccaca 540
 tgatggttgg cttggattgt ctaattaagc ctttggatga tcgtggattt gctgaatgct 600
 ttatgaacac tttgatgctc 620

<210> 11964
 <211> 591
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220136g04a1
 <400> 11964

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 tacgtcacag tcagaatgca ctgctgaaga agcttacaag tggagccagg gacgtgccat 180
 ttttgcaagt gggagtccat ttccccctgt tgagtacgag ggcaaagtgt ttgtgcctgg 240
 ccaggccaat aatgcataca tattccctgg atttggctctc ggtttaataa tgtctgggac 300
 cattcgagtg catgatgacc tgcttctggc tgcctctgag gctttggctg cacaagttag 360
 ccaagagaac tttgataagg gactcatata cccaccattc accaacaatca gaaagatttc 420
 agcacacata gctgccaatg ttgctgctaa ggcttatgaa cttggcttgg ccactcgcct 480
 tcctcaacct aaagatttag tgaagtttgc agagagctgt atgtataccc cagcctacag 540
 aagctaccga tgaaaagtga taataataaa taggcgcctt tttctttttc a 591

<210> 11965
 <211> 530
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220136g05a1

<400> 11965

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tccttttgaa gccctccaaa tggtccaca tagagcccaa atccaggact tgccatgccc  180
tcgtcgccgc tttgtctgca gaggtccaag tgcccgaac tttcgacgac acggaggagg  240
acgacgggtgc tgatggctcc accgccacca acaccgtccc caccaccaag cctaagaaag  300
gcaaggccgc attgcctctc aagagggaca ggacgagatc taagaggttc ttggaaattc  360
aacaattgag ggagcgtaag atagagtatg acttgaagac agcaatatct ttggttaaag  420
aaacagctaa accaagtttg tagaaacagt agaagcccat ttccgcctca acattgaccc  480
taaataaac gatcaacaat taagagcaac agtaaactctg cctaagggaa           530

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<210> 11966

<211> 531

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220136g06a1

<400> 11966

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atgtccctag acgacattaa gaagcggtca gccgccgccg gggcttctcg ccgccgattc  120
acggttgttc acaaccgggc cagaacgact ccgtaccga ttccgcaggt aaggcaacag  180
agcatggttg cattatttcc agaaatggtt ttggaggaga caggcgcggc taagattgaa  240
agtggcacca agctctatct atctaacttg gatcatggag ttaccaacga tgatatcaag  300
ctgctgctct cggaagaggg tgaattgaaa agctacacta ttcattatga tcagagggga  360
agatcaaagg gaactgcaca agttgtgttc gtgaggcatt ctgatgcttt attagccatc  420
aagaataaca acaatatgag gcttgatgga aagccattgc acattgagct cgttggaaca  480
agtttggtta ctctgtctga cgctcctctc tgtcaaaata acttgatggg a           531

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<210> 11967

<211> 470

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220136g07a1

<400> 11967

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 caacgcccc gggtgaaagg gcagtttggt cgccaagtac atgatgatca tccagtagca 180
 gatgtgggtg gcggttcctg aaattgtttt gtttcaagtt accttcatca ttgaattaca 240
 gtctgacttg caaatctgat ttggctttct cgacaaggat taactgtagg gtctagtttg 300
 tctggtgaaa ttatgtttcc tcttagcggt gtagtattg tcttctggct tgatatattg 360
 gctaggtctt acaatgtaag attgctagta ttctgcatgt gttgggttaga agttgagatt 420
 ttacctcgtg tatatgctat gttgatcgga tactcatata gggctactat 470

<210> 11968

<211> 463

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220136g09a1

<400> 11968

agaataatgg tggtagtgct acgacgaact cgacggcata cgcctcatta aactcgggtc 60
 gagctttgac tagaaatctt atatttgaac gatactctaa ctaactaac caactattct 120
 aagcgcccg atggattctc ttgggactta aatgcgacat gtcgataggg tcaccgggtc 180
 aagatagtcc aaacctgggc tgaaaaatat ggacggtaat gaagaggacg taagagcagt 240
 agccaacagg tacagcgaga ggcagccagt accagaccgc tgcataaggct gctgactaca 300
 gagagccaac gtcgacgcct atcgtctaac caggagagtt ggcacagcgg tctctacata 360
 aggctggcat atcagagtcc gtggccactt tctagcccct gtacatcaca gggccgactg 420
 cgacgggatg tggcaaatct aagagcaaag agtaccactg tgg 463

<210> 11969

<211> 172

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220136g10a1

<400> 11969

gtcacatgaa cgctgatgca atataagact ctacggaaaa aaccacaaca gacgcgagac 60
 gcccttgaac gaaaggcttt tgccaaccgg accctccaaa accacaacgg acacccccga 120
 caagcagggg caccttttgt accctaaacc gaggggctaaa aagcccacct ga 172

<210> 11970

<211> 450

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220136g11a1

<400> 11970

agcacgcggc tgtacactat gacgcctcgc cgcaacagcg cacggaactc ggctcgagct 60
 tgaatataaa atggtctaaa cctcgaccct ccagagaacg ctctgagaca aaacgaccct 120
 ctggggccac ctttgaacca actagaccga attatggagt catacacaca gagccacaac 180
 gtactacaaa cggcacaac agtgcaatca caccggctta tgactttcac tcacctgaaa 240
 gcaacatgga aactgcatga gctgctatcg aatgaggaca tgaaacaaca aggatggcaa 300
 aaactcactc caaataacta gacgcggcta cggggcacac gatgacgatg gacataccaa 360
 aaggactgac aaatcgcaga gtgctgtagc tcatatcatt actgccgcta tcagcacagg 420
 cgatcaatct aatgcttga gcactaacca 450

<210> 11971

<211> 131

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220136g12a1

<400> 11971

cgcaaaagta caccttcaac taactaacgc ctcttgaacc agatccgcgc tatcagtcaa 60
 gcaggggcat ccttttgaac gcccaaagc catggaaaac gatggagctg ctggccgcca 120
 ccggaggggac a 131

<210> 11972

<211> 528
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136h01a1

<400> 11972

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 acacccttgg cctaccaaga gcaccttccg gcggcaccca gttggctgaa caaaggtgac 120
 aacgcattggc agttaacagc agccaccctc gttggctctc aaagcatgcc ggggtctcgtg 180
 atcctctacg caagcatagt gaagaagaaa tgggcagtga attcagcttt catggctctc 240
 tatgcctttg cagcagttct aatatgttgg gtgcttgtgt gttaccgcat ggcctttgga 300
 gaagaacttt tacccttctg gggtaagggt gctccagcac taggccagaa gttcctcaca 360
 aaacgagccg tagtcaatga aaccatccac cactttcata atggcaactgt tgaatcccct 420
 ccagaagaac ccttttacc tatggcctca cttgtgtatt tccaattcac ttttgctgct 480
 attaccctta ttttgttggc tggctctgtc cttcgccgaa tgaacatc 528

<210> 11973
 <211> 578
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136h01d1

<400> 11973

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 ctcagccttg gaagaacat cgtttgtaca catgagcctc agaacctgga ttcttcaatc 180
 attgaaatcc acacagacgc tacctcggga tttgggtcac gaatattccg tctcaaaaca 240
 ttgttcgggt cgcagactgt ggcaacccaa ttaacgactc ctttgccatc ttgagcctaa 300
 acagctctgg ccatttggac cttacacaca acaacactgt tgcttgctcc acatgttctc 360
 taagagaaac acagaatgca gtggcctagc tcttggattc tgggcaatcc gtgataacgg 420
 acgaaaacga agtgattcaa gaggcataac tgccggcacag ttttgattat ccttctagta 480
 caaggttatc aggaatgaag attggatggc acctcataag agatctcagt attcacccta 540

cagcttgtaa gagtgatgat gatccaaccg cgggagac

578

<210> 11974
<211> 549
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220136h02a1

<400> 11974

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gcgccaccag attctctctc tcagctccct cggctaccgc gccgtcgcgc ccgatctccg 120
tggctacggg gacaccgagg caccaccttc aatagacagc tacacttgct ttcacatagt 180
gggtgatctc gttgcgctta tagactctct ggggtgtccaa caagtgttcc ttgtgggtca 240
tgactgggga gccctcatgg gttggtatct gtgcatgttt cgccctgaga aggtgaaggc 300
ctacgtctgc ctcaagtgtcc ctttcatccc cagaaacccc aacgtcagaa ccgtagatgg 360
cttgcggtgct atgtatggag aagactatta catctccaga tttcagaaac caggggaaat 420
ggaggctcag atggctgaag ttggcactga gtatgttctc aaaaacctcc ttacaactcg 480
caaaactggt cctccgacct ttcccaaggg agagtacgga actggattaa tctcaatatg 540
accgatatc 549

<210> 11975
<211> 577
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220136h02d1

<400> 11975

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ttgttgagga agggttgttg tggctgctcg cgtggaaacg aaggctacca ctgcccttct 120
caaacaaatc aagaaatgtc tcagtctcag aaacattgtg acagcctcag cctcaccaac 180
tacactgatt tggacacgtc atcatcggac gacattgatc agaatagcac tggcggcgga 240
ctcaaggaca atgactccat ggagaagagg agaaagaggg tgagtggaag aagttggaag 300
gtgaagataa aggacttcat tgactcacag atgaggaagc tgggtggagaa gcatgaggag 360

tggttgata aactcacaaa gacactggaa cagaaggaga cggagagggt gttaagagaa 420
 gaagagtgga agagacacga agctgcaagg ttggagaggg aacacacatt ttggtgcaa 480
 gagaaagcat ggattgcagc aagggatgct gctctatgga ggctttgcac aaattaaccg 540
 ggaacgggat catatagagt actcattcta ctgatgg 577

<210> 11976
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220136h03a1

<400> 11976

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 agtgaatgat gcatcggtta ttatatacaa gagacctcta attaccttta tctcacaccc 120
 tacgttacag tgcgaatgca ctgcgctaga tgcttacagc tggagacagc gaccaccac 180
 ttgcgcttgc ggacgtacat cctgatacga cgagctctaa gaccgagagg gagggcctgc 240
 tctatgcact aaggcatata gatgtgcc 268

<210> 11977
 <211> 133
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220136h03d1

<400> 11977

cttaccagtt gacgtcttgc taaccaaagc ctctggacc gcacgcccga aggcacgcat 60
 gcaggggag catttgcaac ggcccaacgc cgtcgaaaac gacggagccc cttgccatgc 120
 ccggaaggca tgg 133

<210> 11978
 <211> 513
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220136h04a1

<400> 11978

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 atacaaatct ttgaaaactg gaaataaatt gaaaacaagg taacaatttt ataattaaaa 120
 gtaaaaacca aaaaacattt tgtcaaagta aacggaccct acgctttaaa cttgtttggt 180
 ctgttttgaa gtctagccat agtattagta ggtccttcat ttctcttgta catgcctaga 240
 gggtgctggt ttatcaaaac gctgaaaaat attactcttt tgattgtggt ctatttagtc 300
 ttctcgtaga agaattcaga attgcagcct gatacagtcg caacaagctg catataatgg 360
 tttccaaaga tgaagatgca agactcttgt ttttaaccgt ttttgtttg ttttgttaaa 420
 gtagaatttg aatatagttt ttgtttgatt atggtaacta tgtatatgaa tttcatacat 480
 tgaaaactga tgccttttag caaaacacat tcg 513

<210> 11979
 <211> 179
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220136h05a1
 <400> 11979

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 ctgtccagga gtgacaccac cacacgggaa agaagcacac actctggaga cccatgtttt 120
 gcggcatatc gcaattcggc cagatcgagt cgctaacaga ttttataggt agggcaaca 179

<210> 11980
 <211> 533
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220136h06a1
 <400> 11980

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 aaatccgtgg atctggacct aacaatcgtg tcggcgaagc acctgaagaa cgtgaactgg 120
 aagaacggca atctgaaacc ctacgtggtt ntctgggtgg acccgagcg gcgcctcgcc 180
 acgaaatccg acgactccgg caacacctcc cccgtctgga acgagcggtt cgccctccct 240
 ctccctctcc cctccacga ctccctctc accctcgaga tctttcactc caaacctccc 300

gacaccccca aaccctcgt ggccaccctg cgccttcccc tcaaagacct acacgacctg 360
 cacgactcca cgcgctctcg caagtttccc ctctatggcc cctgtggccg cccgcacggc 420
 aagatccacc tcaaactcgg tctcctcggc cgcccccaat tcgattacgc ctgccccaac 480
 cctgacccta accctaacc tagtctaata ttcgtctgct acagaggata cac 533

<210> 11981
 <211> 541
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136h07a1

<400> 11981

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 cggttcaggt ccaaggtact catgagcctg acctgtcttt tctacacttg tgggtggagac 120
 tctaatagctt gcttacacta ctagtaaatac tgtgacatat aataagatac acctcttaac 180
 tatgagggat acacctgcta aattcatacc accattctcg gcgaccact taccagtgc 240
 taaagaactg gaatcacgga cgatgataac accatgtatc atggcatggc gtagcatgct 300
 gcgaaatggg agccccctgat acccgatgac gtatgataaa gctgcttagc tgggaccctt 360
 agacacatag cgcattgctt atgggattcc atgtatgaag acttaggctc gatccaatag 420
 cttggacaca ttgatctttc caacaacttc ctgaatggct ctctaacc aa cactatcttg 480
 aactcttctt aactataagc tcttacccta tgaacaatg ctatctccgg tgaactacct 540
 c 541

<210> 11982
 <211> 435
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220136h08a1

<400> 11982

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 cgggtcgagc taccacattc accgttaggc tcccaaagcc ctgctcgacc cgtgcagcat 120
 ccaactgctgc agcgtgggta gacatgtcac aaatgctggg aaaccgatc accgcagtgg 180

cgccacaagg ccaactccat ctgctacgag tcttgccctcc ttcaagactg tggctcttgc 240
 ctccaaagcg aacgctacac caacacctac aaaaaaagct gctgctgctg ctcttgccaa 300
 tgacgagctt gccaaagtgt atggccctga cagaaagatc tacttgctg aggggtcacta 360
 ggaccgatcc gaaaccccag agtacttgac cggagaagtc cctggagact atggttatga 420
 cccattcggg cttag 435

<210> 11983
 <211> 194
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220136h09a1

<400> 11983

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 cgagggttaa aatgatgggg atccaaactg gaacctcagt acgatcaaag atagggtaca 120
 cctgactggg gacacctctt gcagggtcaa actctaacgg cacaacaaca taaccatgga 180
 tctgaagctg cctt 194

<210> 11984
 <211> 548
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220136h10a1

<400> 11984

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 aggctgaag gattcactcc ggacttaatt acgttatatt gatagggtca ccgtttcgag 120
 atattctaaa cttgtactga caaatacgga gggaaaagat taggacgtac gagttggagc 180
 caactggtac ggagagaggc agccaatacg gaccgttgct caagctaaag actacagaga 240
 gccaccgtcg gcgcctctct tcgaaccggg agagttgcca tcgtgggtctt tctatagggc 300
 tggcatagca tagttcgtgg ccactttctt gttcctctac atcacagtgc tgactgtgat 360
 ggggtgtgtc aaatctaaga gcaagtgtc cactgtgggt atccaaggca ttgcttgggc 420
 tactggggga atgatctttg ctctagtgtg ttccactgct ggaatctcat ggggtcatat 480

taaccacagca ttgacgttcg ggctgttctt gcacgcaagc tttttctgac atgggcactt 540
 ttacata 548

<210> 11985
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220136h11a1
 <400> 11985

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 gtcgagcgtg acaggtaaacc ctcagaacca agcctcaaaa acacgagcag agccgaagat 120
 caccatgggg gaggcaaacg aaagaaccca cacggcaagg ccgaagaaga gccacaggc 180
 ccaggggaagc ccacgccgga accagacacc gacgaacccc ccccgatga gaaagaagaa 240
 gccagacctg aagccaacgg ggagaaaacc aaggaacccg gacctaaaaa gggagccaga 300
 ccacgcgacc cagcaacaca tgctgccaac gaggagaacg acaaagacgc aagtgccacg 360
 cacaagaca caaccgctgc gagccaacac gcgatagcaa agcacagcga ggagaaccac 420

<210> 11986
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220136h12a1
 <400> 11986

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 caagggggac actctgtacc tctactgacgc cgttgacagc gatggagctc ctggactcgc 120
 cggtagcatg gccagagcta cttgacggac cgtcaatcct gacagacgta ccggaactag 180
 cacggacgcc gcccgacacc acggcaccg acaatctagc ctcatcatca cgggcgcgcg 240
 cgagaactgt acagcgaatg taccaccggc gtggactccc acgctgctgc ctgacgatca 300
 ctataccgct ggcgctggta tcaccatcat agtcacctgt tccggtactg aggacagtgc 360
 gaaagctgct 370

<210> 11987
 <211> 139
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220137a02a1

<400> 11987

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gcgggtcata atcaagaacc acccccctgc atacagcggc acgacccacc caacacgggt 120

aaacaacaac gaggaaagc 139

<210> 11988
 <211> 139
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220137a03a1

<400> 11988

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acagggcaca atccagaacc acccccacgc agccagcggc aagacacagc caacacaagg 120

caacaacaac gaggaaggc 139

<210> 11989
 <211> 142
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220137a04a1

<400> 11989

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acggggcaca attaagaacg acgccaccgc agagacaggg acgacccgaa cgacacagct 120

caacaacagc aaggacggca cg 142

<210> 11990
 <211> 139
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220137a06a1

<400> 11990

cccaaacaca agccaaaacc aacctttcat tacccaacaa agaccacccc acaagacagg 60
acagggcata atccagaccc accgcacagc agacacaggc acgaccccc caacacagct 120
caacaacagc taggaaggc 139

<210> 11991

<211> 656

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220137a07a1

<400> 11991

ngcactctcg ctgccactcg agtgctattc acatcatatg catctccacc cccacctcgg 60
cattcaactc gagttcaact cggctgctgc tctattgcac ttctctata tcattgatgg 120
atattaattt aatgatcttg tgatgggtcac catgggtccta aggtatggaa tgcaggccaa 180
gttatctcaa atggctttcc ttttgcctt gatttgacga atcagataat ttcaagttat 240
ctcaaagtac ctttactgtt ctaggctagc caggtttctc agacctagaa gattgcagag 300
aagggtccatt catgttcttg atgctcgctc tatgggtgaa gttagcagga aacaatccaa 360
cttgtgtagc atcatcttgg atggcctaga catgtacagg gaaagtcatg gaagacacta 420
gtaaagaaaa cttagattgca tgggtttcat cttggtgaaa aggagcacag ggagatcaag 480
aagtacttga gcaaaagtcg ttaaaggagg ttaagggaga tctcatggta aataatattc 540
ctaaagcttt agttcttaac caagttgaac ggcatacaagt catatgatct atgtagccga 600
ctacgcttaa tggaacaaga ctctgctgat gctattgtct taataattac tccatg 656

<210> 11992

<211> 651

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137a08a1

<400> 11992

caactctgca gtttttgctt tatcaaaaac tgcactatta ggaaataaaa cagacttttt 60

actaagggtga tataaccaga aatgctgaca aatcaatgag ggtgaccgac aaatctagtc 120
aacataagaa atgctgctgc tattcgctta ctcaggcaaa aacaaaaagt cacataacaa 180
ccctgcaaag aacaggcaat cgacatgaga actattatag atatattggg gaatgcgaac 240
atggcaagac tgtgtttgcg ctttcttact aacatcatcc aaaactgcta ctggagacat 300
tatcactggt agaccacctt ctgaaggcat ccggtactaa atttctacca gccaaaaacc 360
caaaccttga tcttaacatt gtcattcggt tgttattatt acttgaagaa gcctcagcct 420
cggccacggt agtttggttg atgatgcttg gtagaaactc taccgtatta tactgagcta 480
ccccatcccc atcacttgca ccccatgca aagcttcaaa ttcactatca tcataattaa 540
acgccataga gaccctctgt tctctcacac actctacgcc tttaccaggt atcctgttgc 600
actacttgag ctttaagctta ccaaattggg acaccccgaa gctagagccc c 651

<210> 11993
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220137a08d1

<400> 11993

ttgttttttt tttttaaaaa aaacaaacca ttattaaagt ttttggaata aaaaacccaa 60
accgggggaa aaaaggggaa caaaaaaccg cgacacccca acaaaaaaaaa acaaaaaaaaa 120
ccaaaaagca gggggagggc aaaaaaacg aaaaacgaca ccaaaccgc caaaaacaca 180
cgcacaaaca cccaccagac ggcaagagca ccaaaccaca ggcaccaacc cac 233

<210> 11994
<211> 597
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220137a09a1

<400> 11994

gttgaagggtt accaatcgat caatgatatg ttaatttcta aagccacggg tccatggggg 60
aacagaatta ctttcttgca tgttccaata ccgaaattaa atgaaacaag aactacaaac 120
cctcttgaat ttatttggga cacaccttta catattcaag aggaagaaac aatctctagg 180

agttgtactc accggggacac ttttgaagat agaggggcaaa ttgagggggac aagaggcagt 240
 agctaaacgc attcgtggca cattgacaaa atcaagtgc gtgatttcaa acttggtggtg 300
 accaatacaa caaatggctt tagctaacca tcctgtgaaa ggcttgtatt tcacattggc 360
 cgggtggacct gaaagtctag tcatttcagt tatgagctat atggggagtcc taagtgttac 420
 cctcaaaacg gaaaaagact tcatagacga acataaattg aagttgtgca tgcaaagtgc 480
 atttgagata attctccaag cagctatgga aattcctcag gaaaccaaac cttagtattt 540
 ggtttggatg attggaacag cttattacga anattagaga gagagagaga tatggag 597

<210> 11995
 <211> 126
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220137a09d1
 <400> 11995

ccgcaatact ttgtgaaaaa aaacacccca ttataacact ttttgaaaaa aaaaaccac 60
 cccaggggaa aaagggggcaa aaaaaaagcg acacaacccc caaaaaacaa gcaacaaaaa 120
 ccaaac 126

<210> 11996
 <211> 607
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220137a10a1
 <400> 11996

tcttcttcgt ctcaaacctc ttcgttcctt tgattttttc catttcttcc aaaatggcca 60
 aagaccaggt tcgcgttctc gtcactggag ccgcagggca aattggatat gctcttgtcc 120
 ctatgattgc taggggagtg atgctgggtt cctgaccagc ccgtgatcct ccacatgctt 180
 gacattcctc cagcagcaga gtcgttgaat ggggttaaaa tggaattggt ggatgctgca 240
 ttccctcttc ttaaagggtg tgttgctaca accgatgtgg ttgaggcatg cactggggtc 300
 aatattgcag tgatggttgg tggattccct agaaaagaag gtatggagag gaaggatgtg 360
 atgactaaga acgtctccat ttacaagtcc caggcttctg cccttgaaaa gcatgctgct 420

gccaactgca aggttcttgt tgttgctaac ccagcaaaca ccaatgcatt gatcttgaaa 480
 gaatctgctc catctattcc cgagaaaaac atgtottgcg tgactagatt ggaccacact 540
 agggcactgg gccaaatttc tgagagactg aacattcagg attctgatgt aaagaatgtc 600
 attatct 607

<210> 11997
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220137a10d1

<400> 11997

aacnaacacc ttatatTTTT tattaggaaa aaaagcccc ttttattaga ataaggatca 60
 ttttcagttc aattaaacac ccctattctt acaaaagggg aaaaaaagaa aacaatataa 120
 agtttataac ccaaaaatta gttaatcttt ttctaaagag aaaaaaaatt gacaccccca 180
 agagccttgg aacgggtttt ccttgggtct actaccgcc tttgactttt ccaagcccaa 240
 ggggtctatt tacatttcta ccaccaacaa aaacgggtat caccattcac caccactggc 300
 tgaataaaat actattctcc caccactctc acagtagcag ggagccactc ttgggagccc 360
 cggcgatcgg agtaaccatc atttttgagc ctaaacagca tggaagagtc atggccacgg 420
 gggcttgaaa taaaattctt tttcagtggg gggaacaag gaaccaa 467

<210> 11998
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220137a11d1

<400> 11998

aagaagagac gtttattttt tttttgcacc accaggangg gccaagggg aggggggtgc 60
 atttaattat taaaaagctg taggattttt cctaccatta agggcaccta aattttgtgc 120
 aaagggaac atacaatgtt cgggtgaaca gaaaatttcc caaaactggg aatttaaacy 180
 ccgaaactgg ccggaataa accggaacca aaatataggc cggcaactta tcactggctg 240

ggactaaca aaaaaaagcc ttttttgccc gaaaaagtga cttaatgaaa agatcactca 300
 taccattagg atgagcaaac atgggaccag aaccttgggg ttcattgatag agaaccagg 360
 gaagcttttg cgctttgta 379

<210> 11999
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220137a12d1
 <400> 11999

attaaaggtt tattggaaan aancccccca gagcgcacag tgggaagact cactcaagaa 60
 ncagcccact cccagacatt cacaacaaca aacaactgga ataaaaagaa catatacgaa 120
 cgaaatttgt cagcgggcaa aacgagaatt cacaatttca caccatctgg acccaaatac 180
 cgcggtcttg aacttcttga tggaccacaa acagcggata gaaacccggt ggcgcaagaa 240
 cagcgggaagc cggcgcggtta acttcaacct cgtgcgttga ttctccaacc cactcaaata 300
 ggggcggtt cagcaccaac agcctctgat tcatggagaa cgagtgcgtg ttaaattggcg 360
 gcgcccgcac ggtaacagac accgaatccc caaccaa 397

<210> 12000
 <211> 143
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220137b02a1
 <400> 12000

ctcaaagct acctcaaagc gaatctgcga tactcaacaa ggaccagccc aaaagacagg 60
 gcagggcata atctagagcc accgcacagc agacacagcc acgaccagc caaaaacagg 120
 ccaccaacca cgaggaaaac gca 143

<210> 12001
 <211> 193
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220137b03a1

<400> 12001

gcaccaacct gcccgatatgg aggctaacga cgcgcacgca cgcgcacgca gcacggaact 60
 cggcccgagc gcaacgaaca acagacgggc ctgcgttacc gaccaagacc agcccaccag 120
 gcagggcagg gcacacacga gagccaacgg acagcagaca acccgacaac gggccgagac 180
 accggaaccc acc 193

<210> 12002

<211> 150

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137b04a1

<400> 12002

ctcaaacgca acccaaaacg aaacctccat taccacaaca agaccacccc acaagacagg 60
 acggggcata atccagaacc accgcacagc agacatagcc acgacccaaa caacacagct 120
 caacaacagc taggaaggca cagaatgccc 150

<210> 12003

<211> 355

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137b05a1

<400> 12003

ctctaactct agctagtacg gaatttgcatt tataacaaca agaccactcc acatgacagg 60
 acgggggtata atccagaccc accgcacagc agacaggtgc acgaccctca tgaaacggct 120
 caacaacagc taggaaggca cgcaccctcg tgaccgattg caacgagcca gctccaatgg 180
 tccgccagcc tccgatgcga tgaggccgat caaaagaaca gctgacgtca atcaaaacga 240
 tgccggcacc atctggaccg tcttaattgc ccgttccagt gggttacacgt gcttcaggct 300
 caagaccagc gctcggcatg catctcatct actgtaacga gctatgccga cagag 355

<210> 12004

<211> 451

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220137b06a1

<400> 12004

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actggctctc actgaaactt gttcgcactc tctctttgat ctaactaagt tatcgccatg 60
aatcgccacc acgatcccaa tcccttcgaa gaagaagaag tcaatccttt ttcgaatggc 120
actactgctc ctgcatcaaa gtcacgtatt tccaccatta gcactctgagt cactgggctt 180
tgggtcaagg catgatgcta cagttgatat tcctttggat actacaaatg actccaagaa 240
aaaagggtcaa gagctagcag cttgggaagc agatttataa cggagagaga aggaaataaa 300
aagaagagaa gaggctgttt ctagagctgg tgttcctgtt gatgataaga attggcctcc 360
atttttccca atcattcacc atgatattgc caatgagata ccagttcatg ctgagaaggc 420
ttaatatattg gcctttgcaa gttgggttagg a 451
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<210> 12005

<211> 604

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220137b07a1

<400> 12005

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gctgtggcaa gtgggtaaaa ctctctggta tagattatct gcctggtgat gttgtctcca 60
taggtcgctc ttctggtcag aatggggagg agaagtctgt accagcagac atgcttctat 120
tggctggaag tgtgattgtg aatgaagctt attctgacag gcgagtctac tcctcaatgg 180
gagatttcaa tcgcgggtag ggcgatggag gagacattgt ctgcaaagcg agataaaaac 240
catgtgttat ttggtggaac taaaatattg cagcacactc cagataagag ttttctctta 300
aaaacacctg atggtggctg cttggctgtt atcttgagaa cgggggtttga aacaagtcaa 360
ggaaagtga tgcaacaat cttattctct acagaaaggg tgactgctaa tagctgggaa 420
agtggtattc tcatntatt cctgggtgta ttgcccctta ttgctgctgg ctatgtgctc 480
gttaaggcgt tagaagatcc cacaggagca agtatanact tatctaagtt gctcacttat 540
ggctacttct gtgatacctn ctgagttacc aatgngaata tcaatagctg ttaatacttc 600
tctg 604
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<210> 12006
 <211> 602
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220137b08a1

<400> 12006

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 ttcatggaat tctaaatgct gtgagttggg gcgttctgtt tccccttgga gtgatcatag 120
 caaggtatat gagaactttc ccatctgcaa atccagcttg gttctatctt catgttggtt 180
 gccaggtatc tgcttacgcc attgggggtg ctggctgggg aactggcatg aaacttgga 240
 gcgaatcagc ggggattcaa tatagaagtc atcgctatat tggaattgcc ctcttttgct 300
 ttgcaacact acagattttt gcattgttcc tgaagccagt gaaggatcac aagtataggt 360
 acatctggaa catatatcac cacagcgtcg gatacagcat agttatcctg ggaatcatca 420
 acatcttcag gggcttttagc atcttgcatc ctgatcagaa atggaaatca acttacctg 480
 cagttcttat tgcacttggt gcagttgcct tgttcttgga agtgatcaca tggattgttg 540
 tgttgaagag aaagtcttac aagtgcacca taacctatga tggataccac aatggacaat 600
 ct 602

<210> 12007
 <211> 175
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220137b08d1

<400> 12007

ttggtttttt tttgtaaaaa aaacacccta ttattcgact ttttgaaaaa aaaaaccac 60
 ccaaggggac aaaagggcga gaaaaaagcg ccacaccccc ccaaaaacaa accaaaaaca 120
 caaaacagcc ggagagcgcc ccacaaaccc aaaaaccaga ccaaccccg ccaaa 175

<210> 12008
 <211> 343
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220137b09a1

<400> 12008

ctcacaccag gcgcacgtta gcacaaacta tcatgtccac ggcaacagca gctgccacct 60
 cgtcctttat ggggactcgt ctctggagg ctactccgg agcggggcga gtgcacgccc 120
 gattcggtt cggcaagaaa aaaggctccc gcccacaaaga aagcctccag gggatcgggc 180
 cgagacaccg acagaccctt ttggtatccg ggcgccaaag cggccgaata cctcgatggg 240
 agtcttgtcg gagactacgg gttcgatccg attgggctag ggaagccgc ggagtacctg 300
 cagttcgagc tggactcgt ggaccagaac cttgcaaaaa cgt 343

<210> 12009

<211> 69

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137b09d1

<400> 12009

ttgaaatact acaggaaaaa aaaaaaacta ttcgaaaact ttttaagaac aaaaaaccac 60
 acaaggggc 69

<210> 12010

<211> 100

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220137b10a1

<400> 12010

gagccttaag gtcttgcgtt gcatgcatcc tcctttacat gaacgcgaca taaacgcaga 60
 tcagggcagg gccatattac acaggaccgc ccggcacaca 100

<210> 12011

<211> 179

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220137b10d1

<400> 12011

atacacaaca accgatagtg attgttagga aaaaaacaga gccaccacgg gccagggttt 60
gggatcaaaa acacgcgcc tccccncccc cacaaagcaa aaccaagaaa aagcagcaga 120
aacacaccag accgccaaaa cacaccacc aacccaaca cacacggaaa aggccagc 179

<210> 12012

<211> 365

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220137b11d1

<400> 12012

tggncnnagg nanacaaacg aancgaagat ttctatttgt ttaaaacacg aagacacca 60
acagggcaag aggtaagaat aagaaacgag aaaaaccaa nccgctatga gacgcacact 120
aaagacaaat tcggttatag acgaatgaat aaaaatactc ggcaaacaat ggaaagttgg 180
ccaccacgcc ggacagatga aatggaatgc ccggccagat ggctgagcag acaaaggag 240
cattatcgcc tgccttttgg gtcggatcca aaagagaact tgcgaaagga gcatagcctt 300
gtatagaccg tttgttggc ccgaatggag tgacgctgca aaacatctag cttggggcga 360
ggaaa 365

<210> 12013

<211> 517

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220137b12d1

<400> 12013

gagagatact atcatttgtt natgaaccaa ggaaaggatg tacatataat tacaaggatg 60
gtaatctgaa tgcaaaagtg gaaaagcctt accagaccta aaccgtctt aaatttgatc 120
aactttcttc ctttcttctt tccaaacca ggcaattaca ttaaagcatg catatttatt 180
ggatgcatct ctctaaaacc tcacaaccta tgacaatcca tactgaaagg cccctgaatg 240
cctgtgagca gcaacagcta ctgcagcagc atcgacagca ccaaattgag attgtgcctg 300

cagcagtttc gcatcaatgg aagcaacagg atcattttaag tgatcgctct tcccctgcat 360
 gctacactgc tgggatggga gtggatgttt gtcttgttgt gaaataccct tatatgtttc 420
 tgaggtagtt tttatgttag tgggttgctg cactctatgg aaacaatgtg gagagacgaa 480
 tngaggaagc gacccttctg tcataagcgt cttttat 517

<210> 12014
 <211> 144
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220137c02a1
 <400> 12014

ctcaaaggca acccagaacg aagcttccga tacccaacaa agaccaccgc accagacagg 60
 gcggggcata atccagaacc acgccccagc agacgcgggg acgacacacc cgacacggct 120
 caacaacagc tacgaaggca cccc 144

<210> 12015
 <211> 152
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220137c03a1
 <400> 12015

ctcaaaggca acccaaaacg gaactttcga tacccaacaa agaccacccc aaaagacagg 60
 acggggcata atccagaagc aagccccagc agacacggcc acgaccaccc caacacggct 120
 caacaacaac taggaaggca caggaagtcc ga 152

<210> 12016
 <211> 151
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220137c04a1
 <400> 12016

ctcaaagaca agccaaaacg gaacctgcaa tacacaacac agaccacccc acaagacagg 60
 acggggcaaa atccagaagc accgcacagc agacacagcc acgaccccca caacacagct 120